

Glu	Ser	Gln	Cys	His	His	Met	Leu	Lys	His	Leu	His	Asn	Gly	Ala	Arg		
	50					55					60						
Ile	Thr	Val	Gln	Met	Pro	Pro	Thr	Ile	Glu	Gly	His	Trp	Val	Ser	Thr		
65					70					75					80		
Gly	Cys	Glu	Val	Arg	Ser	Gly	Pro	Glu	Phe	Ile	Thr	Arg	Ser	Tyr	Arg		
				85					90					95			
Phe	Tyr	His	Asn	Asn	Thr	Phe	Lys	Ala	Tyr	Gln	Phe	Tyr	Tyr	Gly	Ser		
			100					105					110				
Asn	Arg	Cys	Thr	Asn	Pro	Thr	Tyr	Thr	Leu	Ile	Ile	Arg	Gly	Lys	Ile		
		115					120					125					
Arg	Leu	Arg	Gln	Ala	Ser	Trp	Ile	Ile	Arg	Gly	Gly	Thr	Glu	Ala	Asp		
	130					135					140						
Tyr	Gln	Leu	His	Asn	Val	Gln	Val	Ile	Cys	His	Thr	Glu	Ala	Val	Ala		
145					150					155					160		
Glu	Lys	Leu	Gly	Gln	Gln	Val	Asn	Arg	Thr	Cys	Pro	Gly	Phe	Leu	Ala		
				165					170					175			
Asp	Gly	Gly	Pro	Trp	Val	Gln	Asp	Val	Ala	Tyr	Asp	Leu	Trp	Arg	Glu		
			180					185					190				
Glu	Asn	Gly	Cys	Glu	Cys	Thr	Lys	Ala	Val	Asn	Phe	Ala	Met	His	Glu		
		195					200					205					
Leu	Gln	Leu	Ile	Arg	Val	Glu	Lys	Gln	Tyr	Leu	His	His	Asn	Leu	Asp		
	210					215					220						
His	Leu	Val	Glu	Glu	Leu	Phe	Leu	Gly	Asp	Ile	His	Thr	Asp	Ala	Thr		
225					230					235					240		
Gln	Arg	Met	Phe	Tyr	Arg	Pro	Ser	Ser	Tyr	Gln	Pro	Pro	Leu	Gln	Asn		
				245					250					255			
Ala	Lys	Asn	His	Asp	His	Ala	Cys	Ile	Ala	Cys	Xaa	Ile	Ile	Tyr	Arg		
			260					265					270				
Ser	Asp	Glu	His	His	Pro	Pro	Ile	Leu	Pro	Pro	Lys	Ala	Asp	Leu	Thr		
		275					280					285					
Ile	Gly	Leu	His	Gly	Glu	Trp	Val	Ser	Gln	Arg	Cys	Glu	Val	Arg	Pro		
	290					295					300						
Glu	Val	Leu	Phe	Leu	Thr	Arg	His	Phe	Ile	Phe	His	Asp	Asn	Asn	Asn		
305					310					315					320		

Thr Trp Glu Gly His Tyr Tyr His Tyr Ser Asp Pro Val Cys Lys His
 325 330 335
 Pro Thr Phe Ser Ile Tyr Ala Arg Gly Arg Tyr Ser Arg Gly Val Leu
 340 345 350
 Ser Ser Arg Val Met Gly Gly Thr Glu Phe Val Phe Lys Val Asn His
 355 360 365
 Met Lys Val Thr Pro Met Asp Ala Ala Thr Ala Ser Leu Leu Asn Val
 370 375 380
 Phe Asn Gly Asn Glu Cys Gly Ala Glu Gly Ser Trp Gln Val Gly Ile
 385 390 395 400
 Gln Gln Asp Val Thr His Thr Asn Gly Cys Val Ala Leu Gly Ile Lys
 405 410 415
 Leu Pro His Thr Glu Tyr Glu Ile Phe Lys Met Glu Gln Asp Ala Arg
 420 425 430
 Gly Arg Tyr Leu Leu Phe Asn Gly Gln Arg Pro Ser Asp Gly Ser Ser
 435 440 445
 Pro Asp Arg Pro Arg Arg Lys Lys Gly Xaa Lys Xaa Xaa Lys Xaa Ala
 450 455 460
 Pro Pro
 465

<210> 1217
 <211> 514
 <212> PRT
 <213> Homo sapiens

<400> 1217
 Met Ser Trp Pro Arg Arg Leu Leu Leu Arg Tyr Leu Phe Pro Ala Leu
 1 5 10 15
 Leu Leu His Gly Leu Gly Glu Gly Ser Ala Leu Leu His Pro Asp Ser
 20 25 30
 Arg Ser His Pro Arg Ser Leu Glu Lys Ser Ala Trp Arg Ala Phe Lys
 35 40 45
 Glu Ser Gln Cys His His Met Leu Lys His Leu His Asn Gly Ala Arg
 50 55 60
 Ile Thr Val Gln Met Pro Pro Thr Ile Glu Gly His Trp Val Ser Thr
 65 70 75 80

Gly	Cys	Glu	Val	Arg	Ser	Gly	Pro	Glu	Phe	Ile	Thr	Arg	Ser	Tyr	Arg		
				85					90					95			
Phe	Tyr	His	Asn	Asn	Thr	Phe	Lys	Ala	Tyr	Gln	Phe	Tyr	Tyr	Gly	Ser		
			100					105					110				
Asn	Arg	Cys	Thr	Asn	Pro	Thr	Tyr	Thr	Leu	Ile	Ile	Arg	Gly	Lys	Ile		
		115					120					125					
Arg	Leu	Arg	Gln	Ala	Ser	Trp	Ile	Ile	Arg	Gly	Gly	Thr	Glu	Ala	Asp		
	130					135					140						
Tyr	Gln	Leu	His	Asn	Val	Gln	Val	Ile	Cys	His	Thr	Glu	Ala	Val	Ala		
145					150					155					160		
Glu	Lys	Leu	Gly	Gln	Gln	Val	Asn	Arg	Thr	Cys	Pro	Gly	Phe	Leu	Ala		
				165					170					175			
Asp	Gly	Gly	Pro	Trp	Val	Gln	Asp	Val	Ala	Tyr	Asp	Leu	Trp	Arg	Glu		
			180					185					190				
Glu	Asn	Gly	Cys	Glu	Cys	Thr	Lys	Ala	Val	Asn	Phe	Ala	Met	His	Glu		
		195					200					205					
Leu	Gln	Leu	Ile	Arg	Val	Glu	Lys	Gln	Tyr	Leu	His	His	Asn	Leu	Asp		
	210					215					220						
His	Leu	Val	Glu	Glu	Leu	Phe	Leu	Gly	Asp	Ile	His	Thr	Asp	Ala	Thr		
225					230					235					240		
Gln	Arg	Met	Phe	Tyr	Arg	Pro	Ser	Ser	Tyr	Gln	Pro	Pro	Leu	Gln	Asn		
				245					250					255			
Ala	Lys	Asn	His	Asp	His	Ala	Cys	Ile	Ala	Cys	Arg	Ile	Ile	Tyr	Arg		
			260					265					270				
Ser	Asp	Glu	His	His	Pro	Pro	Ile	Leu	Pro	Pro	Lys	Ala	Asp	Leu	Thr		
		275					280					285					
Ile	Gly	Leu	His	Gly	Glu	Trp	Val	Ser	Gln	Arg	Cys	Glu	Val	Arg	Pro		
	290					295					300						
Glu	Val	Leu	Phe	Leu	Thr	Arg	His	Phe	Ile	Phe	His	Asp	Asn	Asn	Asn		
305					310					315					320		
Thr	Trp	Glu	Gly	His	Tyr	Tyr	His	Tyr	Ser	Asp	Pro	Val	Cys	Lys	His		
				325					330					335			
Pro	Thr	Phe	Ser	Ile	Tyr	Ala	Arg	Gly	Arg	Tyr	Ser	Arg	Gly	Val	Leu		
			340					345					350				

Ser Ser Arg Val Met Gly Gly Thr Glu Phe Val Phe Lys Val Asn His
 355 360 365
 Met Lys Val Thr Pro Met Asp Ala Ala Thr Ala Ser Leu Leu Asn Val
 370 375 380
 Phe Asn Gly Asn Glu Cys Gly Ala Glu Gly Ser Trp Gln Val Gly Ile
 385 390 395 400
 Gln Gln Asp Val Thr His Thr Asn Gly Cys Val Ala Leu Gly Ile Lys
 405 410 415
 Leu Pro His Thr Glu Tyr Glu Ile Phe Lys Met Glu Gln Asp Ala Arg
 420 425 430
 Gly Arg Tyr Leu Leu Phe Asn Gly Gln Arg Pro Ser Asp Gly Ser Ser
 435 440 445
 Pro Asp Arg Pro Glu Lys Arg Ala Thr Ser Tyr Gln Met Pro Leu Val
 450 455 460
 Gln Cys Ala Ser Ser Ser Pro Arg Ala Glu Asp Leu Ala Glu Asp Ser
 465 470 475 480
 Gly Ser Ser Leu Tyr Gly Arg Ala Pro Gly Arg His Thr Trp Ser Leu
 485 490 495
 Leu Leu Ala Ala Leu Ala Cys Leu Val Pro Leu Leu His Trp Asn Ile
 500 505 510
 Arg Arg

<210> 1218

<211> 36

<212> PRT

<213> Homo sapiens

<400> 1218

Met Asn Asn Ser Ile Ala Ala Gln Ala Ser Lys Phe Val Ile Leu Tyr
 1 5 10 15
 Leu Phe Ile Leu Ser Phe Pro Lys Gln Cys Ile Cys His Ile Leu Ser
 20 25 30
 Glu Met Val Trp
 35

<210> 1219
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 1219
 Gln Ala Ser Lys Ser Leu Leu Pro His Gly Ile His Thr Ile Leu Asn
 1 5 10 15
 Val Ile Tyr Ile Asn Leu Thr Ser Val Gly Ile Met Thr Met Cys Met
 20 25 30
 Lys Cys Asn Leu Pro Lys Lys Phe Leu Arg Asp Ser Val Ser Lys Val
 35 40 45
 Leu Ile Asp Ser Trp Ser His Arg Tyr Leu Leu Thr Ser Met Tyr Gln
 50 55 60
 Tyr Ser Arg Leu Ser Glu Glu Lys Gln Val Ile Ser Ile Tyr Cys Ile
 65 70 75 80
 Ile Tyr Thr Asn Asn Leu Gly Thr Leu Lys Asp Ser Tyr Gln Leu Gly
 85 90 95
 Trp Trp Glu Pro Ser
 100

<210> 1220
 <211> 178
 <212> PRT
 <213> Homo sapiens

<400> 1220
 His Leu Leu Glu Val Thr Pro Cys Arg Leu Pro Val Pro Glu Phe Pro
 1 5 10 15
 Gly Arg Thr Pro Arg Gly Ser Arg Thr Pro Asp Met Arg Arg Leu Leu
 20 25 30
 Leu Val Thr Ser Leu Val Val Val Leu Leu Trp Glu Ala Gly Ala Val
 35 40 45
 Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val Lys His Trp Pro Ser
 50 55 60
 Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg Val Val Glu Pro Pro
 65 70 75 80
 Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro Val Gln Lys Pro Lys
 85 90 95

Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln Gly Arg Gly Pro Ile
 100 105 110

Leu Pro Gly Thr Lys Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg
 115 120 125

Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro
 130 135 140

Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg Leu Trp Val Met Pro Asn
 145 150 155 160

His Gln Val Leu Leu Gly Pro Glu Glu Asp Gln Asp His Ile Tyr His
 165 170 175

Pro Gln

<210> 1221

<211> 40

<212> PRT

<213> Homo sapiens

<400> 1221

Met Asn Asn Ser Ile Ala Ala Gln Ala Ser Lys Phe Val Ile Leu Tyr
 1 5 10 15

Leu Phe Ile Leu Ser Phe Pro Lys Gln Cys Ile Cys His Ile Leu Val
 20 25 30

Arg Trp Ser Gly Lys Ser His Phe
 35 40

<210> 1222

<211> 39

<212> PRT

<213> Homo sapiens

<400> 1222

Met Met Gln Val Pro Asp Leu Glu Leu Gly Leu Leu Leu Ala Thr Phe
 1 5 10 15

Leu Leu His Leu Leu Asp Ala Leu Pro Met Leu Leu Ser Leu Gln Ser
 20 25 30

Cys Arg Glu Pro Thr Ser Ser
 35

<210> 1223
<211> 54
<212> PRT
<213> Homo sapiens

<400> 1223
Gly Thr Leu Gln Arg Gly Phe Leu Leu Cys Ser Leu Val Pro Gly Trp
1 5 10 15
Gly Trp Gly Thr Pro Ala Ala Leu Thr Asp Gly Ser Pro Phe Ser Leu
20 25 30
Ser Gly His Pro Ser Pro Thr Leu Thr Cys Thr Lys Phe Ser Pro Gln
35 40 45
Leu Leu Cys Val Ala Pro
50

<210> 1224
<211> 39
<212> PRT
<213> Homo sapiens

<400> 1224
Met Met Gln Val Pro Asp Leu Glu Leu Gly Leu Leu Leu Ala Thr Phe
1 5 10 15
Leu Leu His Leu Leu Asp Ala Leu Pro Met Leu Leu Ser Leu Gln Ser
20 25 30
Cys Arg Glu Pro Thr Ser Ser
35

<210> 1225
<211> 167
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1225
Met Ser Leu Tyr Leu Cys Val Ser Leu Leu Ile Ser Leu Ser Leu Ser

1		5		10		15									
Leu	Asn	Val	Ser	Val	Ser	Val	Ser	Leu	Arg	Leu	Cys	Leu	Tyr	Phe	Ser
		20						25					30		
Pro	Pro	Leu	Ser	Asp	Ala	Ile	Ser	Leu	Cys	Leu	Ser	Leu	Ser	Leu	Ser
		35					40					45			
Val	Ser	Pro	Phe	Leu	Ser	Pro	Ser	Leu	Ala	Leu	Cys	Phe	Leu	Cys	Leu
	50					55					60				
Cys	Leu	Phe	Leu	Ala	Gln	Ser	Arg	Ala	Leu	Gly	Met	Arg	Thr	Arg	Val
65					70					75					80
Ser	Gln	Gly	Trp	Leu	Gln	Leu	Asp	Thr	Ser	Gly	Ile	Pro	Ala	Ser	Pro
				85					90					95	
Gly	Pro	Ser	Lys	Gly	Glu	Arg	Tyr	Val	Thr	Phe	Gly	Val	Val	Gly	Gly
			100					105					110		
Ala	Gly	Ser	Asn	Leu	Ala	Val	His	Ser	Ala	Arg	Pro	Leu	Ile	Gly	Asn
		115					120					125			
Leu	Leu	Ser	Val	Gly	Pro	Thr	Ser	Thr	Leu	Thr	Pro	Thr	Arg	Gly	Leu
	130					135					140				
Ser	Trp	Gln	Ser	Ile	Ala	Ala	Ser	Pro	Ser	Ser	Thr	Gly	His	Ala	Lys
145					150					155					160
Phe	Arg	Glu	Thr	Xaa	Lys	Asn									
				165											

<210> 1226

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1226

Gln	Leu	Arg	Xaa	Leu	Arg	Asp	Ser	Ile	Pro	Glu	Gln	Phe	Cys	Asn	Arg
1				5					10					15	

Leu Lys Ala Pro Gly Asn Arg Thr His Ile Ser Gly Cys Leu Gly Gly
 20 25 30
 Gly Gln Asp Leu Gly Gly Pro Glu Arg Val Phe Trp Asp Asp Gly Ile
 35 40 45
 Phe Cys Ile Leu Thr Val Trp Cys Leu His Arg Xaa Gln His Leu Ser
 50 55 60
 Glu Ile Asn Gly Leu Ser Leu
 65 70

<210> 1227
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 1227
 Met Ser Leu Tyr Leu Cys Val Ser Leu Leu Ile Ser Leu Ser Leu Ser
 1 5 10 15
 Leu Asn Val Ser Val Ser Val Ser Leu Arg Leu Cys Leu Tyr Phe Ser
 20 25 30
 Pro Pro Leu Ser Asp Ala Ile Ser Leu Cys Leu Ser Leu Ser Leu Ser
 35 40 45
 Val Ser Pro Phe Leu Ser Pro Ser Leu Ala Leu Cys Phe Leu Cys Leu
 50 55 60
 Cys Leu Phe Leu Ala Gln Ser Arg Ala Leu Gly Met Arg Thr Arg Val
 65 70 75 80
 Ser Gln Gly Trp Leu Gln Leu Asp Thr Ser Gly Ile Pro Ala Ser Pro
 85 90 95
 Gly Pro Ser Lys Gly Glu Arg Tyr Val Tyr Phe Arg Gly Gly Arg Gly
 100 105 110
 Cys Gly

<210> 1228
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1228
 Met Ala Ala Leu Xaa Thr Val Leu Phe Thr Gly Val Arg Arg Leu His
 1 5 10 15
 Cys Ser Ala Ala Ala Trp Ala Gly Gly Gln Trp Arg Leu Gln Gln Gly
 20 25 30
 Leu Ala Ala Asn Pro Ser Gly Tyr Gly Pro Leu Thr Glu Leu Pro Asp
 35 40 45
 Trp Ser Tyr Ala Asp Gly Arg Pro Ala Pro Pro Met Lys Gly Gln Leu
 50 55 60
 Arg Arg Lys Ala Glu Arg Glu Thr Phe Ala Arg Arg Val Val Leu Leu
 65 70 75 80
 Ser Gln Glu Met Asp Ala Gly Leu Gln Ala Trp Gln Leu Arg Gln Gln
 85 90 95
 Lys Leu Gln Glu Glu Gln Arg Lys Gln Glu Asn Ala Leu Lys Pro Lys
 100 105 110
 Gly Ala Ser Leu Lys Ser Pro Leu Pro Ser Gln
 115 120

<210> 1229
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 1229
 Met Ala Ala Leu Val Thr Val Leu Phe Thr Gly Val Arg Arg Leu His
 1 5 10 15
 Cys Ser Ala Ala Ala Trp Ala Gly Gly Gln Trp Arg Leu Gln Gln Gly
 20 25 30
 Leu Ala Ala Asn Pro Ser Gly Tyr Gly Pro Leu Thr Glu Leu Pro Asp
 35 40 45
 Trp Ser Tyr Ala Asp Gly Arg Pro Ala Pro Pro Met Lys Gly Gln Leu
 50 55 60
 Arg Arg Lys Ala Glu Arg Glu Thr Phe Ala Arg Arg Val Val Leu Leu
 65 70 75 80

Ser Gln Glu Met Asp Ala Gly Leu Gln Ala Trp Gln Leu Arg Gln Gln
85 90 95

Lys Leu Gln Glu Glu Gln Arg Lys Gln Glu Asn Ala Leu Lys Pro Lys
100 105 110

Gly Ala Ser Leu Lys Ser Pro Leu Pro Ser Gln
115 120

<210> 1230

<211> 128

<212> PRT

<213> Homo sapiens

<400> 1230

Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Leu Ala Leu Gly Leu
1 5 10 15

Arg Gly Leu Gln Ala Gly Ala Arg Arg Ala Pro Asp Pro Gly Phe Gln
20 25 30

Glu Arg Phe Phe Gln Gln Arg Leu Asp His Phe Asn Phe Glu Arg Phe
35 40 45

Gly Asn Lys Thr Phe Pro Gln Arg Phe Leu Val Ser Asp Arg Phe Trp
50 55 60

Val Arg Gly Glu Gly Pro Ile Phe Phe Tyr Thr Gly Asn Glu Gly Asp
65 70 75 80

Val Trp Ala Phe Ala Asn Asn Ser Ala Phe Val Ala Glu Leu Ala Ala
85 90 95

Glu Arg Gly Ala Leu Leu Val Phe Ala Glu His Arg Tyr Tyr Gly Lys
100 105 110

Ser Leu Pro Phe Gly Ala Gln Ser Thr Gln Arg Gly Thr Arg Ser Cys
115 120 125

<210> 1231

<211> 492

<212> PRT

<213> Homo sapiens

<400> 1231

Met	Gly	Ser	Ala	Pro	Trp	Ala	Pro	Val	Leu	Leu	Leu	Ala	Leu	Gly	Leu	
1				5					10					15		
Arg	Gly	Leu	Gln	Ala	Gly	Ala	Arg	Arg	Ala	Pro	Asp	Pro	Gly	Phe	Gln	
			20					25					30			
Glu	Arg	Phe	Phe	Gln	Gln	Arg	Leu	Asp	His	Phe	Asn	Phe	Glu	Arg	Phe	
		35					40					45				
Gly	Asn	Lys	Thr	Phe	Pro	Gln	Arg	Phe	Leu	Val	Ser	Asp	Arg	Phe	Trp	
	50					55					60					
Val	Arg	Gly	Glu	Gly	Pro	Ile	Phe	Phe	Tyr	Thr	Gly	Asn	Glu	Gly	Asp	
65					70					75					80	
Val	Trp	Ala	Phe	Ala	Asn	Asn	Ser	Ala	Phe	Val	Ala	Glu	Leu	Ala	Ala	
				85					90					95		
Glu	Arg	Gly	Ala	Leu	Leu	Val	Phe	Ala	Glu	His	Arg	Tyr	Tyr	Gly	Lys	
			100					105					110			
Ser	Leu	Pro	Phe	Gly	Ala	Gln	Ser	Thr	Gln	Arg	Gly	His	Thr	Glu	Leu	
		115					120					125				
Leu	Thr	Val	Glu	Gln	Ala	Leu	Ala	Asp	Phe	Ala	Glu	Leu	Leu	Arg	Ala	
	130					135					140					
Leu	Arg	Arg	Asp	Leu	Gly	Ala	Gln	Asp	Ala	Pro	Ala	Ile	Ala	Phe	Gly	
145					150				155						160	
Gly	Ser	Tyr	Gly	Gly	Met	Leu	Ser	Ala	Tyr	Leu	Arg	Met	Lys	Tyr	Pro	
				165					170					175		
His	Leu	Val	Ala	Gly	Ala	Leu	Ala	Ala	Ser	Ala	Pro	Val	Leu	Ala	Val	
			180					185					190			
Ala	Gly	Leu	Gly	Asp	Ser	Asn	Gln	Phe	Phe	Arg	Asp	Val	Thr	Ala	Asp	
		195					200					205				
Phe	Glu	Gly	Gln	Ser	Pro	Lys	Cys	Thr	Gln	Gly	Val	Arg	Glu	Ala	Phe	
	210					215					220					
Arg	Gln	Ile	Lys	Asp	Leu	Phe	Leu	Gln	Gly	Ala	Tyr	Asp	Thr	Val	Arg	
225					230					235					240	
Trp	Glu	Phe	Gly	Thr	Cys	Gln	Pro	Leu	Ser	Asp	Glu	Lys	Asp	Leu	Thr	
				245					250					255		
Gln	Leu	Phe	Met	Phe	Ala	Arg	Asn	Ala	Phe	Thr	Val	Leu	Ala	Met	Met	
			260					265					270			

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1232

Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Leu Ala Leu Gly Leu
1 5 10 15

Arg Gly Leu Gln Ala Gly Ala Arg Arg Ala Pro Asp Pro Gly Phe Gln
20 25 30

Glu Arg Phe Phe Gln Gln Arg Leu Asp His Phe Asn Phe Glu Arg Phe
35 40 45

Gly Asn Lys Thr Phe Pro Gln Arg Phe Leu Val Ser Asp Arg Phe Trp
50 55 60

Val Arg Gly Glu Gly Pro Ile Phe Phe Tyr Thr Gly Asn Glu Gly Asp
65 70 75 80

Val Trp Ala Phe Ala Asn Asn Ser Xaa Phe Val Ala Glu Leu Ala Ala
85 90 95

Glu Arg Gly Ala Leu Leu Val Phe Ala Glu His Arg Tyr Tyr Gly Lys
100 105 110

Ser Leu Pro Phe Gly Ala Gln Ser Thr Gln Arg Gly His Thr Glu Leu
115 120 125

Leu Thr Val Glu Gln Ala Leu Ala Asp Phe Ala Glu Leu Leu Arg Ala
130 135 140

Leu Arg Arg Asp Leu Gly Ala Gln Asp Ala Pro Ala Ile Ala Phe Gly
145 150 155 160

Gly Ser Tyr Gly Gly Met Leu Ser Ala Tyr Leu Arg Met Lys Tyr Pro
165 170 175

His Leu Val Ala Gly Ala Leu Ala Ala Ser Ala Pro Val Leu Ala Val
180 185 190

Ala Gly Leu Gly Asp Ser Asn Gln Phe Phe Arg Asp Val Thr Ala Asp
195 200 205

Phe Glu Gly Gln Ser Pro Lys Cys Thr Gln Gly Val Arg Glu Ala Phe
210 215 220

Arg Gln Ile Lys Asp Leu Phe Leu Gln Gly Ala Tyr Asp Thr Val Arg
225 230 235 240

Trp Glu Phe Gly Thr Cys Gln Pro Leu Ser Asp Glu Lys Asp Leu Thr
245 250 255

Gln Leu Phe Met Phe Ala Arg Asn Ala Phe Thr Val Leu Ala Met Met

Met Phe Leu Glu Leu Ser Gln Ala Leu Leu Leu Leu Gly Leu Pro Arg
 1 5 10 15
 Ala Pro Thr Leu Phe Pro Ala Leu Pro Glu Gly Pro Thr Ser Leu Gly
 20 25 30
 Glu Gln Trp Pro Pro Gln Leu Pro Pro His Leu Gly Ala Pro Pro Ala
 35 40 45
 Ala Glu Gly Ala Val Ala Met Val Gly Cys Gly Glu Gly Arg Gly Gly
 50 55 60
 Lys Pro Leu Cys Cys Ser Pro Ala Gln Ser Pro Ala Gln Arg Val Arg
 65 70 75 80
 Ser Gly Gly Asp Lys Glu Pro Ile Thr Thr Thr Glu Val Ser Leu Ile
 85 90 95
 Leu Leu His Ser Arg Cys Phe Asn Leu Thr Lys Leu Lys Lys Thr Ala
 100 105 110
 Phe Ala Met Ala His Arg Ser Leu Tyr Leu Phe Leu Arg Lys Cys Phe
 115 120 125
 Leu Leu Phe Ala Gly Gln Val Pro Lys Asn Arg Gln Met Phe Leu Leu
 130 135 140
 Lys Asp Gln Pro Ile Arg Leu Val Arg Thr Arg Arg Leu Trp Pro Arg
 145 150 155 160
 Ala Ser Pro Leu Gln Ala Cys Gly Leu Arg Trp His Leu Ala Ala Gly
 165 170 175
 Pro Gln Pro Gly Glu Gly Tyr Tyr
 180

<210> 1234

<211> 130

<212> PRT

<213> Homo sapiens

<400> 1234

Met Phe Leu Glu Leu Ser Gln Ala Leu Leu Leu Leu Gly Leu Pro Arg
 1 5 10 15
 Ala Pro Thr Leu Phe Pro Ala Leu Pro Glu Gly Pro Thr Ser Leu Gly
 20 25 30
 Glu Gln Trp Pro Pro Gln Leu Pro Pro His Leu Gly Ala Pro Pro Ala
 35 40 45

Ala Glu Gly Ala Val Ala Met Val Gly Cys Gly Glu Gly Arg Gly Gly
 50 55 60
 Lys Pro Leu Cys Cys Ser Pro Ala Gln Ser Pro Ala Gln Arg Val Arg
 65 70 75 80
 Ser Gly Gly Asp Lys Glu Pro Ile Thr Thr Thr Glu Val Ser Leu Ile
 85 90 95
 Leu Leu His Ser Arg Cys Phe Asn Leu Thr Lys Leu Lys Lys Thr Ala
 100 105 110
 Phe Ala Met Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 115 120 125
 Lys Lys
 130

<210> 1235
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 1235
 Met Phe Leu Glu Leu Ser Gln Ala Leu Leu Leu Leu Gly Leu Pro Arg
 1 5 10 15
 Ala Pro Thr Leu Phe Pro Ala Leu Pro Glu Gly Pro Thr Ser Leu Gly
 20 25 30
 Glu Gln Trp Pro Pro Gln Leu Pro Pro His Leu Gly Ala Pro Pro Ala
 35 40 45
 Ala Glu Gly Ala Val Ala Met Val Gly Cys Gly Glu Gly Arg Gly Gly
 50 55 60
 Lys Pro Leu Cys Cys Ser Pro Ala Gln Ser Pro Ala Gln Arg Val Arg
 65 70 75 80
 Ser Gly Gly Asp Lys Glu Pro Ile Thr Thr Thr Glu Val Ser Leu Ile
 85 90 95
 Leu Leu His Ser Arg Cys Phe Asn Leu Thr Lys Leu Lys Lys Thr Ala
 100 105 110
 Phe Ala Met Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 115 120 125
 Lys Lys Lys Lys Lys

130

<210> 1236

<211> 399

<212> PRT

<213> Homo sapiens

<400> 1236

Met Gly Ile Leu Leu Gly Leu Leu Leu Leu Gly His Leu Thr Val Asp
1 5 10 15

Thr Tyr Gly Arg Pro Ile Leu Glu Val Pro Glu Ser Val Thr Gly Pro
20 25 30

Trp Lys Gly Asp Val Asn Leu Pro Cys Thr Tyr Asp Pro Leu Gln Gly
35 40 45

Tyr Thr Gln Val Leu Val Lys Trp Leu Val Gln Arg Gly Ser Asp Pro
50 55 60

Val Thr Ile Phe Leu Arg Asp Ser Ser Gly Asp His Ile Gln Gln Ala
65 70 75 80

Lys Tyr Gln Gly Arg Leu His Val Ser His Lys Val Pro Gly Asp Val
85 90 95

Ser Leu Gln Leu Ser Thr Leu Glu Met Asp Asp Arg Ser His Tyr Thr
100 105 110

Cys Glu Val Thr Trp Gln Thr Pro Asp Gly Asn Gln Val Val Arg Asp
115 120 125

Lys Ile Thr Glu Leu Arg Val Gln Lys Leu Ser Val Ser Lys Pro Thr
130 135 140

Val Thr Thr Gly Ser Gly Tyr Gly Phe Thr Val Pro Gln Gly Met Arg
145 150 155 160

Ile Ser Leu Gln Cys Gln Ala Arg Gly Ser Pro Pro Ile Ser Tyr Ile
165 170 175

Trp Tyr Lys Gln Gln Thr Asn Asn Gln Glu Pro Ile Lys Val Ala Thr
180 185 190

Leu Ser Thr Leu Leu Phe Lys Pro Ala Val Ile Ala Asp Ser Gly Ser
195 200 205

Tyr Phe Cys Thr Ala Lys Gly Gln Val Gly Ser Glu Gln His Ser Asp
210 215 220

Ile	Val	Lys	Phe	Val	Val	Lys	Asp	Ser	Ser	Lys	Leu	Leu	Lys	Thr	Lys	
225					230					235					240	
Thr	Glu	Ala	Pro	Thr	Thr	Met	Thr	Tyr	Pro	Leu	Lys	Ala	Thr	Ser	Thr	
				245					250					255		
Val	Lys	Gln	Ser	Trp	Asp	Trp	Thr	Thr	Asp	Met	Asp	Gly	Tyr	Leu	Gly	
			260					265					270			
Glu	Thr	Ser	Ala	Gly	Pro	Gly	Lys	Ser	Leu	Pro	Val	Phe	Ala	Ile	Ile	
		275					280					285				
Leu	Ile	Ile	Ser	Leu	Cys	Cys	Met	Val	Val	Phe	Thr	Met	Ala	Tyr	Ile	
	290					295					300					
Met	Leu	Cys	Arg	Lys	Thr	Ser	Gln	Gln	Glu	His	Val	Tyr	Glu	Ala	Ala	
305					310					315					320	
Arg	Ala	His	Ala	Arg	Glu	Ala	Asn	Asp	Ser	Gly	Glu	Thr	Met	Arg	Val	
				325					330					335		
Ala	Ile	Phe	Ala	Ser	Gly	Cys	Ser	Ser	Asp	Glu	Pro	Thr	Ser	Gln	Asn	
			340					345					350			
Leu	Gly	Asn	Asn	Tyr	Ser	Asp	Glu	Pro	Cys	Ile	Gly	Gln	Glu	Tyr	Gln	
		355					360					365				
Ile	Ile	Ala	Gln	Ile	Asn	Gly	Asn	Tyr	Ala	Arg	Leu	Leu	Asp	Thr	Val	
	370					375					380					
Pro	Leu	Asp	Tyr	Glu	Phe	Leu	Ala	Thr	Glu	Gly	Lys	Ser	Val	Cys		
385					390					395						

<210> 1237

<211> 399

<212> PRT

<213> Homo sapiens

<400> 1237

Met	Gly	Ile	Leu	Leu	Gly	Leu	Leu	Leu	Leu	Gly	His	Leu	Thr	Val	Asp	
1				5					10					15		
Thr	Tyr	Gly	Arg	Pro	Ile	Leu	Glu	Val	Pro	Glu	Ser	Val	Thr	Gly	Pro	
			20					25					30			
Trp	Lys	Gly	Asp	Val	Asn	Leu	Pro	Cys	Thr	Tyr	Asp	Pro	Leu	Gln	Gly	
		35					40					45				
Tyr	Thr	Gln	Val	Leu	Val	Lys	Trp	Leu	Val	Gln	Arg	Gly	Ser	Asp	Pro	
	50					55					60					

Val	Thr	Ile	Phe	Leu	Arg	Asp	Ser	Ser	Gly	Asp	His	Ile	Gln	Gln	Ala	
65					70					75					80	
Lys	Tyr	Gln	Gly	Arg	Leu	His	Val	Ser	His	Lys	Val	Pro	Gly	Asp	Val	
				85					90					95		
Ser	Leu	Gln	Leu	Ser	Thr	Leu	Glu	Met	Asp	Asp	Arg	Ser	His	Tyr	Thr	
			100					105					110			
Cys	Glu	Val	Thr	Trp	Gln	Thr	Pro	Asp	Gly	Asn	Gln	Val	Val	Arg	Asp	
		115					120					125				
Lys	Ile	Thr	Glu	Leu	Arg	Val	Gln	Lys	Leu	Ser	Val	Ser	Lys	Pro	Thr	
	130					135					140					
Val	Thr	Thr	Gly	Ser	Gly	Tyr	Gly	Phe	Thr	Val	Pro	Gln	Gly	Met	Arg	
145					150					155					160	
Ile	Ser	Leu	Gln	Cys	Gln	Ala	Arg	Gly	Ser	Pro	Pro	Ile	Ser	Tyr	Ile	
				165					170					175		
Trp	Tyr	Lys	Gln	Gln	Thr	Asn	Asn	Gln	Glu	Pro	Ile	Lys	Val	Ala	Thr	
			180					185					190			
Leu	Ser	Thr	Leu	Leu	Phe	Lys	Pro	Ala	Val	Ile	Ala	Asp	Ser	Gly	Ser	
		195					200					205				
Tyr	Phe	Cys	Thr	Ala	Lys	Gly	Gln	Val	Gly	Ser	Glu	Gln	His	Ser	Asp	
	210					215					220					
Ile	Val	Lys	Phe	Val	Val	Lys	Asp	Ser	Ser	Lys	Leu	Leu	Lys	Thr	Lys	
225					230					235					240	
Thr	Glu	Ala	Pro	Thr	Thr	Met	Thr	Tyr	Pro	Leu	Lys	Ala	Thr	Ser	Thr	
				245					250					255		
Val	Lys	Gln	Ser	Trp	Asp	Trp	Thr	Thr	Asp	Met	Asp	Gly	Tyr	Leu	Gly	
			260					265					270			
Glu	Thr	Ser	Ala	Gly	Pro	Gly	Lys	Ser	Leu	Pro	Val	Phe	Ala	Ile	Ile	
		275					280					285				
Leu	Ile	Ile	Ser	Leu	Cys	Cys	Met	Val	Val	Phe	Thr	Met	Ala	Tyr	Ile	
	290					295					300					
Met	Leu	Cys	Arg	Lys	Thr	Ser	Gln	Gln	Glu	His	Val	Tyr	Glu	Ala	Ala	
305					310					315					320	
Arg	Ala	His	Ala	Arg	Glu	Ala	Asn	Asp	Ser	Gly	Glu	Thr	Met	Arg	Val	
				325					330					335		

Ala Ile Phe Ala Ser Gly Cys Ser Ser Asp Glu Pro Thr Ser Gln Asn
340 345 350

Leu Gly Asn Asn Tyr Ser Asp Glu Pro Cys Ile Gly Gln Glu Tyr Gln
355 360 365

Ile Ile Ala Gln Ile Asn Gly Asn Tyr Ala Arg Leu Leu Asp Thr Val
370 375 380

Pro Leu Asp Tyr Glu Phe Leu Ala Thr Glu Gly Lys Ser Val Cys
385 390 395

<210> 1238

<211> 209

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1238

Met Ala Lys Phe Arg Arg Arg Thr Cys Ile Ile Leu Ala Leu Xaa Ile
1 5 10 15

Leu Xaa Ile Phe Ser Leu Met Met Gly Leu Lys Met Leu Arg Pro Asn
20 25 30

Thr Ala Thr Phe Gly Ala Pro Phe Gly Leu Asp Leu Leu Pro Glu Leu

35	40	45
His Gln Arg Thr Ile	His Leu Gly Lys Asn Phe	Asp Phe Gln Lys Ser
50	55	60
Asp Arg Ile Asn Ser	Glu Thr Asn Thr Lys Asn Leu	Lys Ser Val Glu
65	70	75
Ile Thr Met Lys Pro	Ser Lys Ala Ser Glu Leu Asn Leu	Asp Glu Leu
85	90	95
Pro Pro Leu Asn Asn	Tyr Leu His Val Phe Tyr Tyr	Ser Trp Tyr Gly
100	105	110
Asn Pro Gln Phe Asp	Gly Lys Tyr Ile His Trp Asn His	Pro Val Xaa
115	120	125
Glu His Trp Asp Pro	Arg Ile Ala Lys Asn Tyr Pro	Gln Gly Arg His
130	135	140
Asn Pro Xaa Asp Asp	Ile Gly Xaa Ser Phe Tyr Pro	Glu Leu Gly Ser
145	150	155
Tyr Ser Ser Arg Asp	Pro Ser Val Ile Glu Thr His	Met Arg Gln Met
165	170	175
Arg Ser Ala Ser Ile	Gly Asn Tyr Cys Ile Tyr Ile Tyr	Met Cys Val
180	185	190
Phe Val Ser Val Tyr	Met His Ile Asn Asp Phe Leu	Cys Asn Phe Asn
195	200	205

Ser

<210> 1239

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1239

Tyr Phe Asp Ile Ser	Lys His Leu His Gly Asn His Tyr Ile Asp Pro
1	5 10 15
Thr Cys Gly Phe Ser	Ser Tyr Val His Leu Thr Arg Ile Tyr Tyr Phe
20	25 30
Arg Tyr Asn Leu Gln	Met Ser His Leu Ile Ile Phe Tyr Asn Ile Pro
35	40 45

Tyr Phe Ile Lys Val Leu Leu Glu Lys Tyr Leu Pro Gln Arg Ser Phe
50 55 60

Cys His Cys Val Arg Cys Val Phe Glu Pro Thr Met Thr Glu Ser Lys
65 70 75 80

Phe

<210> 1240

<211> 133

<212> PRT

<213> Homo sapiens

<400> 1240

Met Ala Lys Phe Arg Arg Arg Thr Cys Ile Ile Leu Ala Leu Phe Ile
1 5 10 15

Leu Phe Ile Phe Ser Leu Met Met Gly Leu Lys Met Leu Arg Pro Asn
20 25 30

Thr Ala Thr Phe Gly Ala Pro Phe Gly Leu Asp Leu Leu Pro Glu Leu
35 40 45

His Gln Arg Thr Ile His Leu Gly Lys Asn Phe Asp Phe Gln Lys Ser
50 55 60

Asp Arg Ile Asn Ser Glu Thr Asn Thr Lys Asn Leu Lys Ser Val Glu
65 70 75 80

Ile Thr Met Lys Pro Ser Lys Ala Ser Glu Leu Asn Leu Asp Glu Leu
85 90 95

Pro Pro Leu Asn Asn Tyr Leu His Val Phe Tyr Tyr Ser Trp Tyr Gly
100 105 110

Asn Pro Gln Phe Asp Gly Lys Tyr Ile His Trp Asn His Pro Val Leu
115 120 125

Glu His Trp Asp Pro
130

<210> 1241

<211> 886

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (216)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (234)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (275)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (871)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1241
 Met Ala Ala Arg Gly Arg Gly Leu Leu Leu Leu Thr Leu Ser Val Leu
 1 5 10 15

 Leu Ala Ala Gly Pro Ser Ala Ala Ala Xaa Lys Leu Asn Ile Pro Lys
 20 25 30

 Val Leu Leu Pro Phe Thr Arg Ala Thr Arg Val Asn Phe Thr Leu Glu
 35 40 45

 Ala Ser Glu Gly Cys Tyr Arg Trp Leu Ser Thr Arg Pro Glu Val Ala
 50 55 60

 Ser Ile Glu Pro Leu Gly Leu Asp Glu Gln Gln Cys Ser Gln Lys Ala
 65 70 75 80

 Val Val Gln Ala Arg Leu Thr Gln Pro Ala Arg Leu Thr Ser Ile Ile
 85 90 95

 Phe Ala Glu Asp Ile Thr Thr Gly Gln Val Leu Arg Cys Asp Ala Ile
 100 105 110

 Val Asp Leu Ile His Asp Ile Gln Ile Val Ser Thr Thr Arg Glu Leu
 115 120 125

 Tyr Leu Glu Asp Ser Pro Leu Glu Leu Lys Ile Gln Ala Leu Asp Ser
 130 135 140

Glu	Gly	Asn	Thr	Phe	Ser	Thr	Leu	Ala	Gly	Leu	Val	Phe	Glu	Trp	Thr	
145					150					155					160	
Ile	Val	Lys	Asp	Ser	Glu	Ala	Asp	Arg	Phe	Ser	Asp	Ser	His	Asn	Ala	
				165					170					175		
Leu	Arg	Ile	Leu	Thr	Phe	Leu	Glu	Ser	Thr	Tyr	Ile	Pro	Pro	Ser	Tyr	
			180					185					190			
Ile	Ser	Glu	Met	Glu	Lys	Ala	Ala	Lys	Gln	Gly	Asp	Thr	Ile	Leu	Val	
		195					200					205				
Ser	Gly	Met	Lys	Thr	Gly	Ser	Xaa	Lys	Leu	Lys	Ala	Arg	Ile	Gln	Glu	
	210					215					220					
Ala	Val	Tyr	Lys	Asn	Val	Arg	Pro	Ala	Xaa	Val	Arg	Leu	Leu	Ile	Leu	
225					230					235						240
Glu	Asn	Ile	Leu	Leu	Asn	Pro	Ala	Tyr	Asp	Val	Tyr	Leu	Met	Val	Gly	
				245					250					255		
Thr	Ser	Ile	His	Tyr	Lys	Val	Gln	Lys	Ile	Arg	Gln	Gly	Lys	Ile	Thr	
			260					265					270			
Glu	Leu	Xaa	Met	Pro	Ser	Asp	Gln	Tyr	Glu	Leu	Gln	Leu	Gln	Asn	Ser	
		275					280					285				
Ile	Pro	Gly	Pro	Glu	Gly	Asp	Pro	Thr	Arg	Pro	Val	Ala	Val	Leu	Ala	
	290					295					300					
Gln	Asp	Thr	Ser	Met	Val	Thr	Ala	Leu	Gln	Leu	Gly	Gln	Ser	Ser	Leu	
305					310					315					320	
Val	Leu	Gly	His	Arg	Ser	Ile	Arg	Met	Gln	Gly	Ala	Ser	Arg	Leu	Pro	
				325					330					335		
Asn	Ser	Thr	Ile	Tyr	Val	Val	Glu	Pro	Gly	Tyr	Leu	Gly	Phe	Thr	Val	
			340					345					350			
His	Pro	Gly	Asp	Arg	Trp	Val	Leu	Glu	Thr	Gly	Arg	Leu	Tyr	Glu	Ile	
		355					360					365				
Thr	Ile	Glu	Val	Phe	Asp	Lys	Phe	Ser	Asn	Lys	Val	Tyr	Val	Ser	Asp	
	370					375					380					
Asn	Ile	Arg	Ile	Glu	Thr	Val	Leu	Pro	Ala	Glu	Phe	Phe	Glu	Val	Leu	
385					390					395					400	
Ser	Ser	Ser	Gln	Asn	Gly	Ser	Tyr	His	Arg	Ile	Arg	Ala	Leu	Lys	Arg	
				405					410					415		
Gly	Gln	Thr	Ala	Ile	Asp	Ala	Ala	Leu	Thr	Ser	Val	Val	Asp	Gln	Asp	

420					425					430					
Gly	Gly	Val	His	Ile	Leu	Gln	Val	Pro	Val	Trp	Asn	Gln	Gln	Glu	Val
		435					440					445			
Glu	Ile	His	Ile	Pro	Ile	Thr	Leu	Tyr	Pro	Ser	Ile	Leu	Thr	Phe	Pro
	450					455					460				
Trp	Gln	Pro	Lys	Thr	Gly	Ala	Tyr	Gln	Tyr	Thr	Ile	Arg	Ala	His	Gly
465					470					475					480
Gly	Ser	Gly	Asn	Phe	Ser	Trp	Ser	Ser	Ser	Ser	His	Leu	Val	Ala	Thr
				485					490						495
Val	Thr	Val	Lys	Gly	Val	Met	Thr	Thr	Gly	Ser	Asp	Ile	Gly	Phe	Ser
			500					505					510		
Val	Ile	Gln	Ala	His	Asp	Val	Gln	Asn	Pro	Leu	His	Phe	Gly	Glu	Met
		515					520					525			
Lys	Val	Tyr	Val	Ile	Glu	Pro	His	Ser	Met	Glu	Phe	Ala	Pro	Cys	Gln
	530					535					540				
Val	Glu	Ala	Arg	Val	Gly	Gln	Ala	Leu	Glu	Leu	Pro	Leu	Arg	Ile	Ser
545					550					555					560
Gly	Leu	Met	Pro	Gly	Gly	Ala	Ser	Glu	Val	Val	Thr	Leu	Ser	Asp	Cys
				565					570					575	
Ser	His	Phe	Asp	Leu	Ala	Val	Glu	Val	Glu	Asn	Gln	Gly	Val	Phe	Gln
			580					585					590		
Pro	Leu	Pro	Gly	Arg	Leu	Pro	Pro	Gly	Ser	Glu	His	Cys	Ser	Gly	Val
		595					600					605			
Arg	Val	Lys	Ala	Glu	Ala	Gln	Gly	Ser	Thr	Thr	Leu	Leu	Val	Ser	Tyr
	610					615					620				
Arg	His	Gly	His	Val	His	Leu	Ser	Ala	Lys	Ile	Thr	Ile	Ala	Ala	Tyr
625					630					635					640
Leu	Pro	Leu	Lys	Ala	Val	Asp	Pro	Ser	Ser	Val	Ala	Leu	Val	Thr	Leu
				645					650					655	
Gly	Ser	Ser	Lys	Glu	Met	Leu	Phe	Glu	Gly	Gly	Pro	Arg	Pro	Trp	Ile
			660					665					670		
Leu	Glu	Pro	Ser	Lys	Phe	Phe	Gln	Asn	Val	Thr	Ala	Glu	Asp	Thr	Asp
		675					680					685			
Ser	Ile	Gly	Leu	Ala	Leu	Phe	Ala	Pro	His	Ser	Ser	Arg	Asn	Tyr	Gln
	690					695					700				

Gln His Trp Ile Leu Val Thr Cys Gln Ala Leu Gly Glu Gln Val Ile
 705 710 715 720
 Ala Leu Ser Val Gly Asn Lys Pro Ser Leu Thr Asn Pro Phe Pro Ala
 725 730 735
 Val Glu Pro Ala Val Val Lys Phe Val Cys Ala Pro Pro Ser Arg Leu
 740 745 750
 Thr Leu Val Pro Val Tyr Thr Ser Pro Gln Leu Asp Met Ser Cys Pro
 755 760 765
 Leu Leu Gln Gln Asn Lys Gln Val Val Pro Val Ser Ser His Arg Asn
 770 775 780
 Pro Leu Leu Asp Leu Ala Ala Tyr Asp Gln Glu Gly Arg Arg Phe Asp
 785 790 795 800
 Asn Phe Ser Ser Leu Ser Ile Gln Trp Glu Ser Thr Arg Pro Val Leu
 805 810 815
 Ala Ser Ile Glu Pro Glu Leu Pro Met Gln Leu Val Ser Gln Asp Asp
 820 825 830
 Glu Ser Gly Gln Lys Lys Leu His Gly Leu Gln Ala Ile Leu Val His
 835 840 845
 Glu Ala Ser Gly Thr Thr Ala Ser Leu Pro Leu Pro Leu Ala Thr Arg
 850 855 860
 Ser Pro Thr Ser Ala Leu Xaa Glu Gln Ser Ser Arg Met Thr Leu Trp
 865 870 875 880
 Cys Leu Cys Arg Pro Pro
 885

<210> 1242
 <211> 831
 <212> PRT
 <213> Homo sapiens

<400> 1242
 Met Ala Ala Arg Gly Arg Gly Leu Leu Leu Leu Thr Leu Ser Val Leu
 1 5 10 15
 Leu Ala Ala Gly Pro Ser Ala Ala Ala Ala Lys Leu Asn Ile Pro Lys
 20 25 30
 Val Leu Leu Pro Phe Thr Arg Ala Thr Arg Val Asn Phe Thr Leu Glu

35	40	45														
Ala	Ser	Glu	Gly	Cys	Tyr	Arg	Trp	Leu	Ser	Thr	Arg	Pro	Glu	Val	Ala	
50						55					60					
Ser	Ile	Glu	Pro	Leu	Gly	Leu	Asp	Glu	Gln	Gln	Cys	Ser	Gln	Lys	Ala	
65					70					75					80	
Val	Val	Gln	Ala	Arg	Leu	Thr	Gln	Pro	Ala	Arg	Leu	Thr	Ser	Ile	Ile	
				85					90					95		
Phe	Ala	Glu	Asp	Ile	Thr	Thr	Gly	Gln	Val	Leu	Arg	Cys	Asp	Ala	Ile	
			100					105					110			
Val	Asp	Leu	Ile	His	Asp	Ile	Gln	Ile	Val	Ser	Thr	Thr	Arg	Glu	Leu	
	115						120					125				
Tyr	Leu	Glu	Asp	Ser	Pro	Leu	Glu	Leu	Lys	Ile	Gln	Ala	Leu	Asp	Ser	
	130					135					140					
Glu	Gly	Asn	Thr	Phe	Ser	Thr	Leu	Ala	Gly	Leu	Val	Phe	Glu	Trp	Thr	
145					150					155					160	
Ile	Val	Lys	Asp	Ser	Glu	Ala	Asp	Arg	Phe	Ser	Asp	Ser	His	Asn	Ala	
				165					170					175		
Leu	Arg	Ile	Leu	Thr	Phe	Leu	Glu	Ser	Thr	Tyr	Ile	Pro	Pro	Ser	Tyr	
			180					185					190			
Ile	Ser	Glu	Met	Glu	Lys	Ala	Ala	Lys	Gln	Gly	Asp	Thr	Ile	Leu	Val	
	195						200					205				
Ser	Gly	Met	Lys	Thr	Gly	Ser	Ser	Lys	Leu	Lys	Ala	Arg	Ile	Gln	Glu	
	210					215					220					
Ala	Val	Tyr	Lys	Asn	Val	Arg	Pro	Ala	Glu	Val	Arg	Leu	Leu	Ile	Leu	
225					230					235					240	
Glu	Asn	Ile	Leu	Leu	Asn	Pro	Ala	Tyr	Asp	Val	Tyr	Leu	Met	Val	Gly	
				245					250					255		
Thr	Ser	Ile	His	Tyr	Lys	Val	Gln	Lys	Ile	Arg	Gln	Gly	Lys	Ile	Thr	
			260					265					270			
Glu	Leu	Ser	Met	Pro	Ser	Asp	Gln	Tyr	Glu	Leu	Gln	Leu	Gln	Asn	Ser	
	275						280					285				
Ile	Pro	Gly	Pro	Glu	Gly	Asp	Pro	Thr	Arg	Pro	Val	Ala	Val	Leu	Ala	
	290					295					300					
Gln	Asp	Thr	Ser	Met	Val	Thr	Ala	Leu	Gln	Leu	Gly	Gln	Ser	Ser	Leu	
305					310					315					320	

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1243
 Met Pro Val Pro Leu Leu Ala Ser Ala Ala Trp Cys His Leu Cys Ala
 1 5 10 15

 Gly Ala Leu Pro Ala Trp Leu Trp Leu Pro Gly Gly Gln Leu Leu His
 20 25 30

 Asn Gly Thr Cys Val Pro Xaa Thr Ala Cys Pro Cys Thr Gln His Ser
 35 40 45

 Leu Pro Trp Gly Leu Thr Leu Thr Leu Glu Glu Gln Ala Gln Glu Leu
 50 55 60

 Xaa Pro Gly Thr Val Leu Thr Arg Asn Cys Thr Pro Leu Cys Leu Pro
 65 70 75 80

 Leu Trp Ser Leu Gln Leu Leu Pro Arg
 85

<210> 1244
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 1244
 Ser Gly Trp Gln Val Pro Ser Ser Val Lys His Leu Pro Tyr Asp Asn
 1 5 10 15

 Leu Arg Ser His Cys Val Ala Asp Glu Gly Glu Thr Glu Val Glu Gly
 20 25 30

 Thr Arg Ala Thr Trp Val Glu His Ser Gly Arg Pro Gly Val Gly Ser
 35 40 45

 Gly Arg Pro Pro Gly Thr Ser Leu Thr Thr Leu Pro Leu Leu Leu Thr
 50 55 60

 His Leu Ser Leu Thr Cys Pro Leu Gly Gly Asp Phe Ser Lys Arg
 65 70 75

<210> 1245
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 1245
 Met Pro Val Pro Leu Leu Ala Ser Ala Ala Trp Cys His Leu Cys Ala
 1 5 10 15
 Gly Ala Leu Pro Ala Trp Leu Trp Leu Pro Trp Arg Ala Ala Ala Ala
 20 25 30
 Gln Trp His Val Cys Ala Ser His Cys Leu Pro Leu His Pro Ala Phe
 35 40 45
 Ser Ala Leu Gly Pro His Pro Asp Pro Gly Arg Ala Gly Pro Gly Ala
 50 55 60
 Ala Pro Arg Asp Cys Ala His Pro Glu Leu His Pro Leu Cys Leu Pro
 65 70 75 80
 Arg Trp Ser Leu Gln Leu Leu Pro Arg
 85

<210> 1246
 <211> 334
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (124)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (129)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (214)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (224)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1246

Met	Asp	Gln	Ala	Leu	Ser	Leu	Trp	Phe	Leu	Leu	Gly	Trp	Ile	Gly	Gly	
1				5					10					15		
Asp	Ser	Cys	Asn	Leu	Ile	Gly	Ser	Phe	Leu	Ala	Asp	Gln	Leu	Pro	Leu	
			20					25					30			
Gln	Thr	Tyr	Thr	Ala	Val	Tyr	Tyr	Val	Leu	Ala	Asp	Leu	Val	Met	Leu	
		35					40					45				
Thr	Leu	Tyr	Phe	Tyr	Tyr	Lys	Phe	Arg	Thr	Arg	Pro	Ser	Leu	Leu	Ser	
	50					55					60					
Ala	Pro	Ile	Asn	Ser	Val	Leu	Leu	Phe	Leu	Met	Gly	Met	Ala	Cys	Ala	
65					70					75					80	
Thr	Pro	Leu	Leu	Ser	Ala	Ala	Gly	Pro	Val	Ala	Ala	Pro	Arg	Glu	Ala	
				85					90					95		
Phe	Arg	Gly	Arg	Ala	Leu	Leu	Ser	Val	Glu	Ser	Gly	Ser	Lys	Pro	Phe	
		100						105					110			
Thr	Arg	Gln	Glu	Val	Ile	Gly	Phe	Val	Ile	Gly	Xaa	Ile	Ser	Ser	Val	
		115					120					125				
Xaa	Tyr	Leu	Leu	Ser	Arg	Leu	Pro	Gln	Ile	Arg	Thr	Asn	Phe	Leu	Arg	
	130					135					140					
Lys	Ser	Thr	Gln	Gly	Ile	Ser	Tyr	Ser	Leu	Phe	Ala	Leu	Val	Met	Leu	
145					150					155					160	
Gly	Asn	Thr	Leu	Tyr	Gly	Leu	Ser	Val	Leu	Leu	Lys	Asn	Pro	Glu	Glu	
				165					170					175		
Gly	Gln	Ser	Glu	Gly	Ser	Tyr	Leu	Leu	His	His	Leu	Pro	Trp	Leu	Val	
			180					185					190			
Gly	Ser	Leu	Gly	Val	Leu	Leu	Leu	Asp	Thr	Ile	Ile	Ser	Ile	Gln	Phe	
		195					200					205				
Leu	Val	Tyr	Arg	Arg	Xaa	Pro	Pro	Pro	Arg	Ser	Leu	Ser	Pro	Ser	Xaa	
	210					215					220					
Pro	Ala	Asp	Gln	Asn	Gln	Ala	Glu	Arg	Arg	Arg	Thr	Gly	Thr	Thr	Gly	
225					230					235					240	
Cys	His	Thr	Arg	Gln	Glu	Glu	Val	Trp	Thr	Val	Met	Val	Arg	Arg	Pro	
				245					250					255		
Cys	Ile	Ser	Leu	Arg	Val	Ala	Ser	Gly	Ser	Ser	Val	Asp	Arg	Thr	Val	
			260					265					270			

Pro Pro Gly Thr His Leu Gln Val Asp Pro Glu Ala Ser Arg Pro Gly
275 280 285

Leu Glu Arg Arg Pro Gln Gly Leu Ser Gly Asp Ser Glu Ala Ala Pro
290 295 300

Pro Thr Thr Tyr Leu Ile Leu Pro Thr Gln Asp Cys Pro Val Asn Ser
305 310 315 320

Arg Gln Leu Asn Lys Gln Ala Gly Tyr Ser Gly Ser His Leu
325 330

<210> 1247
<211> 226
<212> PRT
<213> Homo sapiens

<400> 1247
Met Asp Gln Ala Leu Ser Leu Trp Phe Leu Leu Gly Trp Ile Gly Gly
1 5 10 15

Asp Ser Cys Asn Leu Ile Gly Ser Phe Leu Ala Asp Gln Leu Pro Leu
20 25 30

Gln Thr Tyr Thr Ala Val Tyr Tyr Val Leu Ala Asp Leu Val Met Leu
35 40 45

Thr Leu Tyr Phe Tyr Tyr Lys Phe Arg Thr Arg Pro Ser Leu Leu Ser
50 55 60

Ala Pro Ile Asn Ser Val Leu Leu Phe Leu Met Gly Met Ala Cys Ala
65 70 75 80

Thr Pro Leu Leu Ser Ala Ala Gly Pro Val Ala Ala Pro Arg Glu Ala
85 90 95

Phe Arg Gly Arg Ala Leu Leu Ser Val Glu Ser Gly Ser Lys Pro Phe
100 105 110

Thr Arg Gln Glu Val Ile Gly Phe Val Ile Gly Ser Ile Ser Ser Val
115 120 125

Leu Tyr Leu Leu Ser Arg Leu Pro Gln Ile Arg Thr Asn Phe Leu Arg
130 135 140

Lys Ser Thr Gln Gly Ile Ser Tyr Ser Leu Phe Ala Leu Val Met Leu
145 150 155 160

Gly Asn Thr Leu Tyr Gly Leu Ser Val Leu Leu Lys Asn Pro Glu Glu

Gly Ala Gly Gly Cys Ala Lys Ala Gly Leu Leu Gly Ile Leu Gly Ile
165 170 175

Ser Ile Cys Ala Asp Ile His Val
180

<210> 1249

<211> 184

<212> PRT

<213> Homo sapiens

<400> 1249

Met Lys Ile Leu Val Ala Phe Leu Val Val Leu Thr Ile Phe Gly Ile
1 5 10 15

Gln Ser His Gly Tyr Glu Val Phe Asn Ile Ile Ser Pro Ser Asn Asn
20 25 30

Gly Gly Asn Val Gln Glu Thr Val Thr Ile Asp Asn Glu Lys Asn Thr
35 40 45

Ala Ile Ile Asn Ile His Ala Gly Ser Cys Ser Ser Thr Thr Ile Phe
50 55 60

Asp Tyr Lys His Gly Tyr Ile Ala Ser Arg Val Leu Ser Arg Arg Ala
65 70 75 80

Cys Phe Ile Leu Lys Met Asp His Gln Asn Ile Pro Pro Leu Asn Asn
85 90 95

Leu Gln Trp Tyr Ile Tyr Glu Lys Gln Ala Leu Asp Asn Met Phe Ser
100 105 110

Ser Lys Tyr Thr Trp Val Lys Tyr Asn Pro Leu Glu Ser Leu Ile Lys
115 120 125

Asp Val Asp Trp Phe Leu Leu Gly Ser Pro Ile Glu Lys Leu Cys Lys
130 135 140

His Ile Pro Leu Tyr Lys Gly Glu Val Val Glu Asn Thr His Asn Val
145 150 155 160

Gly Ala Gly Gly Cys Ala Lys Ala Gly Leu Leu Gly Ile Leu Gly Ile
165 170 175

Ser Ile Cys Ala Asp Ile His Val
180

<210> 1250
 <211> 173
 <212> PRT
 <213> Homo sapiens

<400> 1250

Met	Ala	Val	Arg	Ala	Leu	Lys	Leu	Leu	Thr	Thr	Leu	Leu	Ala	Val	Val
1				5					10					15	
Ala	Ala	Ala	Ser	Gln	Ala	Glu	Val	Glu	Ser	Glu	Ala	Gly	Trp	Gly	Met
			20					25					30		
Val	Thr	Pro	Asp	Leu	Leu	Phe	Ala	Glu	Gly	Thr	Ala	Ala	Tyr	Ala	Arg
		35					40					45			
Gly	Asp	Trp	Pro	Gly	Val	Val	Leu	Ser	Met	Glu	Arg	Ala	Leu	Arg	Ser
	50					55					60				
Arg	Ala	Ala	Leu	Arg	Ala	Leu	Arg	Leu	Arg	Cys	Arg	Thr	Gln	Cys	Ala
65					70					75					80
Ala	Asp	Phe	Pro	Trp	Glu	Leu	Asp	Pro	Asp	Trp	Ser	Pro	Ser	Pro	Ala
				85					90					95	
Gln	Ala	Ser	Gly	Ala	Ala	Ala	Leu	Arg	Asp	Leu	Ser	Phe	Phe	Gly	Gly
			100					105					110		
Leu	Leu	Arg	Arg	Ala	Ala	Cys	Leu	Arg	Arg	Cys	Leu	Gly	Pro	Pro	Ala
		115					120					125			
Ala	Thr	Arg	Ser	Ala	Lys	Arg	Trp	Ser	Trp	Ser	Ser	Ala	Ser	Gly	Pro
	130					135					140				
Leu	Gln	Leu	Pro	Ala	Gly	Arg	Leu	Leu	Gln	Asp	Gln	Gln	Val	Gly	Glu
145					150					155					160
Ser	Cys	Cys	Cys	Ser	Thr	His	Leu	Leu	Arg	Gly	Gln	Ser			
				165					170						

<210> 1251
 <211> 359
 <212> PRT
 <213> Homo sapiens

<400> 1251

Met	Ala	Val	Arg	Ala	Leu	Lys	Leu	Leu	Thr	Thr	Leu	Leu	Ala	Val	Val
1				5					10					15	
Ala	Ala	Ala	Ser	Gln	Ala	Glu	Val	Glu	Ser	Glu	Ala	Gly	Trp	Gly	Met
			20					25					30		

Val	Thr	Pro	Asp	Leu	Leu	Phe	Ala	Glu	Gly	Thr	Ala	Ala	Tyr	Ala	Arg	
		35					40					45				
Gly	Asp	Trp	Pro	Gly	Val	Val	Leu	Ser	Met	Glu	Arg	Ala	Leu	Arg	Ser	
	50					55					60					
Arg	Ala	Ala	Leu	Arg	Ala	Leu	Arg	Leu	Arg	Cys	Arg	Thr	Gln	Cys	Ala	
65					70					75					80	
Ala	Asp	Phe	Pro	Trp	Glu	Leu	Asp	Pro	Asp	Trp	Ser	Pro	Ser	Pro	Ala	
				85					90						95	
Gln	Ala	Ser	Gly	Ala	Ala	Ala	Leu	Arg	Asp	Leu	Ser	Phe	Phe	Gly	Gly	
			100					105					110			
Leu	Leu	Arg	Arg	Ala	Ala	Cys	Leu	Arg	Arg	Cys	Leu	Gly	Pro	Pro	Ala	
		115					120					125				
Ala	His	Ser	Leu	Ser	Glu	Glu	Met	Glu	Leu	Glu	Phe	Arg	Lys	Arg	Ser	
	130					135						140				
Pro	Tyr	Asn	Tyr	Leu	Gln	Val	Ala	Tyr	Phe	Lys	Ile	Asn	Lys	Leu	Glu	
145					150					155					160	
Lys	Ala	Val	Ala	Ala	Ala	His	Thr	Phe	Phe	Val	Gly	Asn	Pro	Glu	His	
				165					170					175		
Met	Glu	Met	Gln	Gln	Asn	Leu	Asp	Tyr	Tyr	Gln	Thr	Met	Ser	Gly	Val	
			180					185					190			
Lys	Glu	Ala	Asp	Phe	Lys	Asp	Leu	Glu	Thr	Gln	Pro	His	Met	Gln	Glu	
		195					200					205				
Phe	Arg	Leu	Gly	Val	Arg	Leu	Tyr	Ser	Glu	Glu	Gln	Pro	Gln	Glu	Ala	
	210					215					220					
Val	Pro	His	Leu	Glu	Ala	Ala	Leu	Gln	Glu	Tyr	Phe	Val	Ala	Tyr	Glu	
225					230					235					240	
Glu	Cys	Arg	Ala	Leu	Cys	Glu	Gly	Pro	Tyr	Asp	Tyr	Asp	Gly	Tyr	Asn	
				245					250					255		
Tyr	Leu	Glu	Tyr	Asn	Ala	Asp	Leu	Phe	Gln	Ala	Ile	Thr	Asp	His	Tyr	
			260					265					270			
Ile	Gln	Val	Leu	Asn	Cys	Lys	Gln	Asn	Cys	Val	Thr	Glu	Leu	Ala	Ser	
		275					280					285				
His	Pro	Ser	Arg	Glu	Lys	Pro	Phe	Glu	Asp	Phe	Leu	Pro	Ser	His	Tyr	
	290					295					300					

Asn Tyr Leu Gln Phe Ala Tyr Tyr Asn Ile Gly Asn Tyr Thr Gln Ala
 305 310 315 320

Val Glu Cys Ala Lys Thr Tyr Leu Leu Phe Phe Pro Asn Asp Glu Val
 325 330 335

Met Asn Gln Asn Leu Ala Leu Leu Cys Ser Tyr Ala Trp Arg Arg Thr
 340 345 350

His Gln Ile His Arg Pro Pro
 355

<210> 1252

<211> 77

<212> PRT

<213> Homo sapiens

<400> 1252

Met Thr Ile Phe Thr Pro Phe Leu Val Leu Leu Leu Leu Val Asn Ser
 1 5 10 15

Pro Arg Phe Ser Thr Ile Thr Leu Met Arg Ser Gly Phe His Asn Pro
 20 25 30

Ser Val Cys Leu Ser Phe Thr Leu Lys Pro Gln Cys Tyr Leu Val Leu
 35 40 45

Met Tyr Gln Lys Asn Arg Arg Gln Asp Gly Ser Lys Val Phe Phe Lys
 50 55 60

Thr Ala Arg Leu Lys Phe Tyr Leu Asn Ile Thr Ala Lys
 65 70 75

<210> 1253

<211> 77

<212> PRT

<213> Homo sapiens

<400> 1253

Met Thr Ile Phe Thr Pro Phe Leu Val Leu Leu Leu Leu Val Asn Ser
 1 5 10 15

Pro Arg Phe Ser Thr Ile Thr Leu Met Arg Ser Gly Phe His Asn Pro
 20 25 30

Ser Val Cys Leu Ser Phe Thr Leu Lys Pro Gln Cys Tyr Leu Val Leu
 35 40 45

Met Tyr Gln Lys Asn Arg Arg Gln Asp Gly Ser Lys Val Phe Phe Lys
 50 55 60

Thr Ala Arg Leu Lys Phe Tyr Leu Asn Ile Thr Ala Lys
 65 70 75

<210> 1254

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1254

Met Ala Ser Leu Gly Leu Gln Leu Val Gly Tyr Ile Leu Gly Leu Leu
 1 5 10 15

Gly Leu Leu Gly Thr Leu Val Ala Met Leu Leu Pro Ser Trp Lys Thr
 20 25 30

Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala Val Gly Phe Ser Lys
 35 40 45

Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr Gly Ile Thr Gln Cys
 50 55 60

Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala Asp Ile Gln Ala Ala
 65 70 75 80

Gln Ala Met Met Val Thr Ser Ser Ala Ile Ser Ser Leu Ala Cys Ile
 85 90 95

Ile Ser Val Val Gly Met Arg Cys Thr Val Phe Cys Gln Glu Ser Arg
 100 105 110

Ala Lys Asp Arg Val Ala Val Ala Gly Gly Val Phe Phe Ile Leu Gly
 115 120 125

Ser Leu Leu Gly Phe Ile Pro Xaa Ala Trp Asn Leu
 130 135 140

<210> 1255

<211> 86

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1255
 Arg Arg Phe Tyr Ser Pro Leu Val Pro Asp Ser Met Lys Phe Glu Ile
 1 5 10 15
 Gly Glu Ala Leu Tyr Leu Gly Ile Ile Ser Ser Leu Phe Ser Leu Ile
 20 25 30
 Xaa Gly Ile Ile Leu Cys Phe Ser Cys Ser Xaa Gln Arg Asn Arg Ser
 35 40 45
 Asn Tyr Tyr Asp Ala Tyr Gln Ala Gln Pro Leu Ala Thr Arg Ser Ser
 50 55 60
 Pro Arg Pro Gly Gln Pro Pro Lys Val Lys Ser Glu Phe Asn Ser Tyr
 65 70 75 80
 Ser Leu Thr Gly Tyr Val
 85

<210> 1256
 <211> 230
 <212> PRT
 <213> Homo sapiens

<400> 1256
 Met Ala Ser Leu Gly Leu Gln Leu Val Gly Tyr Ile Leu Gly Leu Leu
 1 5 10 15
 Gly Leu Leu Gly Thr Leu Val Ala Met Leu Leu Pro Ser Trp Lys Thr
 20 25 30
 Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala Val Gly Phe Ser Lys
 35 40 45
 Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr Gly Ile Thr Gln Cys
 50 55 60
 Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala Asp Ile Gln Ala Ala
 65 70 75 80

Gln Ala Met Met Val Thr Ser Ser Ala Ile Ser Ser Leu Ala Cys Ile
 85 90 95
 Ile Ser Val Val Gly Met Arg Cys Thr Val Phe Cys Gln Glu Ser Arg
 100 105 110
 Ala Lys Asp Arg Val Ala Val Ala Gly Gly Val Phe Phe Ile Leu Gly
 115 120 125
 Gly Leu Leu Gly Phe Ile Pro Val Ala Trp Asn Leu His Gly Ile Leu
 130 135 140
 Arg Asp Phe Tyr Ser Pro Leu Val Pro Asp Ser Met Lys Phe Glu Ile
 145 150 155 160
 Gly Glu Ala Leu Tyr Leu Gly Ile Ile Ser Ser Leu Phe Ser Leu Ile
 165 170 175
 Ala Gly Ile Ile Leu Cys Phe Ser Cys Ser Ser Gln Arg Asn Arg Ser
 180 185 190
 Asn Tyr Tyr Asp Ala Tyr Gln Ala Gln Pro Leu Ala Thr Arg Ser Ser
 195 200 205
 Pro Arg Pro Gly Gln Pro Pro Lys Val Lys Ser Glu Phe Asn Ser Tyr
 210 215 220
 Ser Leu Thr Gly Tyr Val
 225 230

<210> 1257

<211> 331

<212> PRT

<213> Homo sapiens

<400> 1257

Met Trp Leu Trp Glu Asp Gln Gly Gly Leu Leu Gly Pro Phe Ser Phe
 1 5 10 15
 Leu Leu Leu Val Leu Leu Leu Val Thr Arg Ser Pro Val Asn Ala Cys
 20 25 30
 Leu Leu Thr Gly Ser Leu Phe Val Leu Leu Arg Val Phe Ser Phe Glu
 35 40 45
 Pro Val Pro Ser Cys Arg Ala Leu Gln Val Leu Lys Pro Arg Asp Arg
 50 55 60
 Ile Ser Ala Ile Ala His Arg Gly Gly Ser His Asp Ala Pro Glu Asn

<210> 1258
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 1258
 Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
 1 5 10 15
 Pro Ile Gly Val His Leu His Ser Val Arg Asp
 20 25

<210> 1259
 <211> 485
 <212> PRT
 <213> Homo sapiens

<400> 1259
 Ala Arg Gly Arg Leu Leu Pro Trp Trp Leu Ala Ala Gly Cys Ser Met
 1 5 10 15
 Ser Arg Leu Gly Ala Leu Gly Gly Ala Arg Ala Gly Leu Gly Leu Leu
 20 25 30
 Leu Gly Thr Ala Ala Gly Leu Gly Phe Leu Cys Leu Leu Tyr Ser Gln
 35 40 45
 Arg Trp Lys Arg Thr Gln Arg His Gly Arg Ser Gln Ser Leu Pro Asn
 50 55 60
 Ser Leu Asp Tyr Thr Gln Thr Ser Asp Pro Gly Arg His Val Met Leu
 65 70 75 80
 Leu Arg Ala Val Pro Gly Gly Ala Gly Asp Ala Ser Val Leu Pro Ser
 85 90 95
 Leu Pro Arg Glu Gly Gln Glu Lys Val Leu Asp Arg Leu Asp Phe Val
 100 105 110
 Leu Thr Ser Leu Val Ala Leu Arg Arg Glu Val Glu Glu Leu Arg Ser
 115 120 125
 Ser Leu Arg Gly Leu Ala Gly Glu Ile Val Gly Glu Val Arg Cys His
 130 135 140
 Met Glu Glu Asn Gln Arg Val Ala Arg Arg Arg Arg Phe Pro Phe Val
 145 150 155 160
 Arg Glu Arg Ser Asp Ser Thr Gly Ser Ser Ser Val Tyr Phe Thr Ala
 165 170 175

Ser	Ser	Gly	Ala	Thr	Phe	Thr	Asp	Ala	Glu	Ser	Glu	Gly	Gly	Tyr	Thr		
			180					185					190				
Thr	Ala	Asn	Ala	Glu	Ser	Asp	Asn	Glu	Arg	Asp	Ser	Asp	Lys	Glu	Ser		
		195					200					205					
Glu	Asp	Gly	Glu	Asp	Glu	Val	Ser	Cys	Glu	Thr	Val	Lys	Met	Gly	Arg		
	210					215					220						
Lys	Asp	Ser	Leu	Asp	Leu	Glu	Glu	Glu	Ala	Ala	Ser	Gly	Ala	Ser	Ser		
225					230					235					240		
Ala	Leu	Glu	Ala	Gly	Gly	Ser	Ser	Gly	Leu	Glu	Asp	Val	Leu	Pro	Leu		
				245					250					255			
Leu	Gln	Gln	Ala	Asp	Glu	Leu	His	Arg	Gly	Asp	Glu	Gln	Gly	Lys	Arg		
			260					265					270				
Glu	Gly	Phe	Gln	Leu	Leu	Leu	Asn	Asn	Lys	Leu	Val	Tyr	Gly	Ser	Arg		
		275					280					285					
Gln	Asp	Phe	Leu	Trp	Arg	Leu	Ala	Arg	Ala	Tyr	Ser	Asp	Met	Cys	Glu		
	290					295					300						
Leu	Thr	Glu	Glu	Val	Ser	Glu	Lys	Lys	Ser	Tyr	Ala	Leu	Asp	Gly	Lys		
305					310					315					320		
Glu	Glu	Ala	Glu	Ala	Ala	Leu	Glu	Lys	Gly	Asp	Glu	Ser	Ala	Asp	Cys		
				325					330					335			
His	Leu	Trp	Tyr	Ala	Val	Leu	Cys	Gly	Gln	Leu	Ala	Glu	His	Glu	Ser		
			340					345					350				
Ile	Gln	Arg	Arg	Ile	Gln	Ser	Gly	Phe	Ser	Phe	Lys	Glu	His	Val	Asp		
		355					360					365					
Lys	Ala	Ile	Ala	Leu	Gln	Pro	Glu	Asn	Pro	Met	Ala	His	Phe	Leu	Leu		
	370					375					380						
Gly	Arg	Trp	Cys	Tyr	Gln	Val	Ser	His	Leu	Ser	Trp	Leu	Glu	Lys	Lys		
385					390					395					400		
Thr	Ala	Thr	Ala	Leu	Leu	Glu	Ser	Pro	Leu	Ser	Ala	Thr	Val	Glu	Asp		
				405					410					415			
Ala	Leu	Gln	Ser	Phe	Leu	Lys	Ala	Glu	Glu	Leu	Gln	Pro	Gly	Phe	Ser		
			420					425					430				
Lys	Ala	Gly	Arg	Val	Tyr	Ile	Ser	Lys	Cys	Tyr	Arg	Glu	Leu	Gly	Lys		
		435					440					445					

Asn Ser Glu Ala Arg Trp Trp Met Lys Leu Ala Leu Glu Leu Pro Asp
 450 455 460

Val Thr Lys Glu Asp Leu Ala Ile Gln Lys Asp Leu Glu Glu Leu Glu
 465 470 475 480

Val Ile Leu Arg Asp
 485

<210> 1260

<211> 470

<212> PRT

<213> Homo sapiens

<400> 1260

Met Ser Arg Leu Gly Ala Leu Gly Gly Ala Arg Ala Gly Leu Gly Leu
 1 5 10 15

Leu Leu Gly Thr Ala Ala Gly Leu Gly Phe Leu Cys Leu Leu Tyr Ser
 20 25 30

Gln Arg Trp Lys Arg Thr Gln Arg His Gly Arg Ser Gln Ser Leu Pro
 35 40 45

Asn Ser Leu Asp Tyr Thr Gln Thr Ser Asp Pro Gly Arg His Val Met
 50 55 60

Leu Leu Arg Ala Val Pro Gly Gly Ala Gly Asp Ala Ser Val Leu Pro
 65 70 75 80

Ser Leu Pro Arg Glu Gly Gln Glu Lys Val Leu Asp Arg Leu Asp Phe
 85 90 95

Val Leu Thr Ser Leu Val Ala Leu Arg Arg Glu Val Glu Glu Leu Arg
 100 105 110

Ser Ser Leu Arg Gly Leu Ala Gly Glu Ile Val Gly Glu Val Arg Cys
 115 120 125

His Met Glu Glu Asn Gln Arg Val Ala Arg Arg Arg Arg Phe Pro Phe
 130 135 140

Val Arg Glu Arg Ser Asp Ser Thr Gly Ser Ser Ser Val Tyr Phe Thr
 145 150 155 160

Ala Ser Ser Gly Ala Thr Phe Thr Asp Ala Glu Ser Glu Gly Gly Tyr
 165 170 175

Thr Thr Ala Asn Ala Glu Ser Asp Asn Glu Arg Asp Ser Asp Lys Glu
 180 185 190

Ser	Glu	Asp	Gly	Glu	Asp	Glu	Val	Ser	Cys	Glu	Thr	Val	Lys	Met	Gly	195	200	205
Arg	Lys	Asp	Ser	Leu	Asp	Leu	Glu	Glu	Glu	Ala	Ala	Ser	Gly	Ala	Ser	210	215	220
Ser	Ala	Leu	Glu	Ala	Gly	Gly	Ser	Ser	Gly	Leu	Glu	Asp	Val	Leu	Pro	225	230	235
Leu	Leu	Gln	Gln	Ala	Asp	Glu	Leu	His	Arg	Gly	Asp	Glu	Gln	Gly	Lys	245	250	255
Arg	Glu	Gly	Phe	Gln	Leu	Leu	Leu	Asn	Asn	Lys	Leu	Val	Tyr	Gly	Ser	260	265	270
Arg	Gln	Asp	Phe	Leu	Trp	Arg	Leu	Ala	Arg	Ala	Tyr	Ser	Asp	Met	Cys	275	280	285
Glu	Leu	Thr	Glu	Glu	Val	Ser	Glu	Lys	Lys	Ser	Tyr	Ala	Leu	Asp	Gly	290	295	300
Lys	Glu	Glu	Ala	Glu	Ala	Ala	Leu	Glu	Lys	Gly	Asp	Glu	Ser	Ala	Asp	305	310	315
Cys	His	Leu	Trp	Tyr	Ala	Val	Leu	Cys	Gly	Gln	Leu	Ala	Glu	His	Glu	325	330	335
Ser	Ile	Gln	Arg	Arg	Ile	Gln	Ser	Gly	Phe	Ser	Phe	Lys	Glu	His	Val	340	345	350
Asp	Lys	Ala	Ile	Ala	Leu	Gln	Pro	Glu	Asn	Pro	Met	Ala	His	Phe	Leu	355	360	365
Leu	Gly	Arg	Trp	Cys	Tyr	Gln	Val	Ser	His	Leu	Ser	Trp	Leu	Glu	Lys	370	375	380
Lys	Thr	Ala	Thr	Ala	Leu	Leu	Glu	Ser	Pro	Leu	Ser	Ala	Thr	Val	Glu	385	390	395
Asp	Ala	Leu	Gln	Ser	Phe	Leu	Lys	Ala	Glu	Glu	Leu	Gln	Pro	Gly	Phe	405	410	415
Ser	Lys	Ala	Gly	Arg	Val	Tyr	Ile	Ser	Lys	Cys	Tyr	Arg	Glu	Leu	Gly	420	425	430
Lys	Asn	Ser	Glu	Ala	Arg	Trp	Trp	Met	Lys	Leu	Ala	Leu	Glu	Leu	Pro	435	440	445
Asp	Val	Thr	Lys	Glu	Asp	Leu	Ala	Ile	Gln	Lys	Asp	Leu	Glu	Glu	Leu	450	455	460

Glu Val Ile Leu Arg Asp
465 470

<210> 1261
<211> 37
<212> PRT
<213> Homo sapiens

<400> 1261
Met Pro Asp Lys Arg Glu Ala Thr Ala Ala Val Ala Leu Phe Ile
1 5 10 15
Val Pro Leu Gly Val Trp Met Arg Gly Ser Arg Gly Tyr Ser Ala Ala
20 25 30
His Glu Gly Ser Leu
35

<210> 1262
<211> 37
<212> PRT
<213> Homo sapiens

<400> 1262
Met Pro Asp Lys Arg Glu Ala Thr Ala Ala Val Ala Leu Phe Ile
1 5 10 15
Val Pro Leu Gly Val Trp Met Arg Gly Ser Arg Gly Tyr Ser Ala Ala
20 25 30
His Glu Gly Ser Leu
35

<210> 1263
<211> 105
<212> PRT
<213> Homo sapiens

<400> 1263
Met Leu Val Cys Met Leu Gly Cys Leu Ala Asn Leu Val Val Val Gly
1 5 10 15
Phe Leu Lys Glu Lys Thr Phe Pro Leu Ala Met Ala Arg Thr Arg Gly
20 25 30
Ser Ser Leu Ser Leu Leu Pro Thr Pro Pro Phe Pro Cys Pro Cys Pro

35	40	45													
Asp	Ala	Ser	Arg	Leu	Arg	Glu	Lys	His	Cys	Ile	Gln	Thr	Glu	Gly	Ser
50						55					60				
Ala	Ala	Ser	Phe	Gln	Lys	Val	Ile	Gly	Lys	Ala	Leu	Glu	Arg	Arg	Ala
65					70					75					80
Val	Leu	Gln	Leu	Ala	Leu	Phe	Leu	His	His	Pro	Pro	Ser	Leu	Cys	Ile
				85					90					95	
Met	His	Leu	Leu	Leu	Pro	Pro	Gly	Leu							
		100						105							

<210> 1264
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 1264															
Met	Leu	Val	Cys	Met	Leu	Gly	Cys	Leu	Ala	Asn	Leu	Val	Val	Val	Gly
1				5					10					15	
Phe	Leu	Lys	Glu	Lys	Thr	Phe	Pro	Leu	Ala	Met	Ala	Arg	Thr	Arg	Gly
			20					25					30		
Ser	Ser	Leu	Ser	Leu	Leu	Pro	Thr	Pro	Pro	Phe	Pro	Cys	Pro	Cys	Pro
		35					40					45			
Asp	Ala	Ser	Arg	Leu	Arg	Glu	Lys	His	Cys	Ile	Gln	Thr	Glu	Gly	Ser
50						55					60				
Ala	Ala	Ser	Phe	Gln	Lys	Val	Ile	Gly	Lys	Ala	Leu	Glu	Arg	Arg	Ala
65					70					75					80
Val	Leu	Gln	Leu	Ala	Leu	Phe	Leu	His	His	Pro	Pro	Ser	Leu	Cys	Ile
				85					90					95	
Met	His	Leu	Leu	Leu	Pro	Pro	Gly	Leu							
		100						105							

<210> 1265
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1265

Met	Thr	Leu	Cys	Leu	Val	Thr	Phe	Leu	Thr	Ser	Leu	Pro	Thr	Ser	Val
1				5					10					15	

Pro	Ala	Cys	Thr	Ser	Cys	Trp	Pro	Gly	Phe	Met	Arg	Ser	Ser	Lys	Asn
			20					25					30		

Ala	Tyr	Asp	Thr	His	His	Trp	Gly	Gly	Gln	Arg	Ser	Met	Asn	Leu	Glu
		35					40					45			

Ser	Leu	Thr	Cys	Gly	Gln	Leu	Ala	Ile	Arg	Trp	Thr	Arg	Gly	Trp	Met
	50					55					60				

Thr	Arg	Pro	Arg	Gln	Val	Trp	Ala	Met	Pro	Gly	Gln	Thr	Val	Asp	Val
65					70					75					80

Tyr	Leu	Gly	Arg	Met	Leu	Gln	Gly	Val	Val	Leu	Arg	Gly	Gln	Thr	Leu
				85					90					95	

Arg	Gly	Arg	Ala	Xaa
			100	

<210> 1266

<211> 50

<212> PRT

<213> Homo sapiens

<400> 1266

Lys	Ala	Val	Thr	Gly	Trp	Ala	His	Trp	Leu	Thr	Pro	Ile	Ile	Pro	Ala
1				5					10					15	

Leu	Trp	Glu	Ala	Lys	Ala	Gly	Arg	Ser	Leu	Glu	Val	Arg	Ile	Ser	Arg
			20					25					30		

Pro	Ala	Trp	Ser	Thr	Trp	Gln	Asn	Leu	Val	Ser	Thr	Lys	Asn	Thr	Lys
		35					40					45			

Ile	Arg
	50

<210> 1267

<211> 120

<212> PRT

<213> Homo sapiens

<400> 1267

Glu	Val	Leu	Phe	Ser	Asn	Asp	Ser	Val	Leu	Gly	His	Phe	Pro	His	Gln	
1				5					10					15		
Ser	Pro	Asn	Glu	Arg	Ala	Arg	Leu	Tyr	Phe	Leu	Leu	Ala	Trp	Phe	His	
			20					25					30			
Ala	Ile	Ile	Gln	Glu	Arg	Leu	Arg	Tyr	Ala	Pro	Leu	Gly	Trp	Ser	Lys	
			35				40					45				
Lys	Tyr	Glu	Phe	Gly	Glu	Ser	Asp	Leu	Arg	Ser	Ala	Cys	Asp	Thr	Val	
	50					55					60					
Asp	Thr	Trp	Leu	Asp	Asp	Thr	Ala	Lys	Ala	Ser	Val	Gly	His	Ala	Arg	
65					70					75					80	
Thr	Asp	Ser	Gly	Arg	Val	Ser	Gly	Lys	Asp	Ala	Ala	Gly	Arg	Gly	Ala	
				85					90					95		
Glu	Arg	Pro	Asp	Ser	Ala	Trp	Lys	Ser	Glu	Leu	Thr	Pro	Arg	Asp	Arg	
			100					105					110			
Gln	Ser	Leu	Ala	Gly	His	Gly	Glu									
		115					120									

<210> 1268

<211> 103

<212> PRT

<213> Homo sapiens

<400> 1268

Met	Met	Cys	Val	Val	Leu	Thr	Thr	Leu	Pro	Cys	Leu	Thr	Phe	Ser	Ile	
1				5					10					15		
Ala	Val	Thr	Glu	Val	Gln	Lys	Ser	Ile	Asn	Gly	Ser	Ala	Asp	Val	Leu	
			20					25					30			
Pro	Asp	Met	Leu	Pro	Asp	Leu	Pro	Val	Ser	Leu	Val	Leu	Leu	Ser	Leu	
		35					40					45				
Ile	Met	Val	Asp	Ile	Ile	Glu	Lys	Leu	Arg	Ile	Tyr	Pro	Leu	Arg	Gly	
	50					55					60					
Ser	Gln	Lys	Ser	Ser	Glu	Asn	Gly	His	Ile	His	Ser	Thr	Ser	Leu	Gln	
65					70				75						80	
His	Ile	Lys	Thr	Val	Thr	Glu	Gln	Val	Arg	Gln	Ser	Pro	Glu	Asn	Ala	
				85				90					95			
Ala	Ser	Pro	Gln	Ala	Thr	Asn										

100

<210> 1269

<211> 261

<212> PRT

<213> Homo sapiens

<400> 1269

Met Met Cys Val Val Leu Thr Thr Leu Pro Cys Leu Thr Phe Ser Ile
1 5 10 15

Ala Val Thr Glu Val Gln Lys Ser Ile Asn Gly Ser Ala Asp Val Leu
20 25 30

Pro Asp Met Leu Pro Asp Leu Pro Val Ser Leu Val Leu Leu Ser Leu
35 40 45

Ile Met Val Asp Ile Ile Glu Lys Leu Arg Ile Tyr Pro Leu Arg Gly
50 55 60

Ser Gln Lys Ser Ser Glu Asn Gly His Ile His Ser Thr Ser Leu Gln
65 70 75 80

His Ile Lys Thr Val Thr Glu Gln Val Arg Gln Ser Pro Glu Asn Ala
85 90 95

Ala Ser Pro Gln Ala Thr Asn Ser Thr Gln Val Ser Gln Pro Ser Gly
100 105 110

Ala Met Thr Arg Ser Gln Glu Ser Val Phe Met Gly Pro Gln Glu Pro
115 120 125

Ser Cys Asp Ser Gly Ile Leu Arg Met Met Ser Arg Arg Asp Val Arg
130 135 140

Ala Glu Leu Phe Leu Trp Ser Phe Leu Leu Trp Ser Asp Thr Ile Glu
145 150 155 160

Met Val Arg Val Ala Gly His Pro Asn Val Tyr Lys Ser Ser Trp Leu
165 170 175

Tyr Pro Val Tyr Ile Phe Ser Phe Ile Ser Leu Leu Arg Ile Thr Phe
180 185 190

Thr Pro Gln Asn Pro Leu Leu Asn Ser Leu Ser Val Leu Leu Gln Asp
195 200 205

Leu Pro Phe Val Phe Val Arg Leu Gly Leu Ile Ile Ala Leu Gly Thr
210 215 220

Ile Thr Pro Val Leu Gly Leu Cys Lys Asn Ile Leu Val Thr Leu Ser
 225 230 235 240

Tyr Ile Tyr Phe Asn Tyr Leu Thr Arg Ile Arg Ile Phe Ser Ala Phe
 245 250 255

Glu Met Ser Pro Phe
 260

<210> 1270
 <211> 277
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (158)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (277)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1270
 Met Gly Leu Arg Ser Trp Leu Ala Ala Pro Trp Gly Ala Leu Pro Pro
 1 5 10 15

Arg Pro Pro Leu Leu Leu Leu Leu Leu Leu Leu Leu Leu Leu Gln Pro
 20 25 30

Pro Pro Pro Thr Trp Ala Leu Ser Pro Arg Ile Ser Leu Pro Leu Gly
 35 40 45

Ser Glu Glu Arg Pro Phe Leu Arg Phe Glu Ala Glu His Ile Ser Asn
 50 55 60

Tyr Thr Ala Leu Leu Leu Ser Arg Asp Gly Arg Thr Leu Tyr Val Gly
 65 70 75 80

Ala Arg Glu Ala Leu Phe Ala Leu Ser Ser Asn Leu Ser Phe Leu Pro
 85 90 95

Gly Gly Glu Tyr Gln Glu Leu Leu Trp Gly Ala Asp Ala Glu Lys Lys
 100 105 110

Gln Gln Cys Ser Phe Lys Gly Lys Asp Pro Gln Arg Asp Cys Gln Asn
 115 120 125

Tyr Ile Lys Ile Leu Leu Pro Leu Ser Gly Ser His Leu Phe Thr Cys

130		135		140	
Gly Thr Ala Ala Phe Ser Pro Met Cys Thr Tyr Ile Asn Xaa Glu Asn					
145		150		155	160
Phe Thr Leu Ala Arg Asp Glu Lys Gly Asn Val Leu Leu Glu Asp Gly					
	165		170		175
Lys Gly Arg Cys Pro Phe Asp Pro Asn Phe Lys Ser Thr Ala Leu Val					
	180		185		190
Val Asp Gly Glu Leu Tyr Thr Gly Thr Val Ser Ser Phe Gln Gly Asn					
	195		200		205
Asp Pro Ala Ile Ser Arg Ser Gln Ser Leu Arg Pro Thr Lys Thr Glu					
	210		215		220
Ser Ser Leu Asn Trp Leu Gln Asp Pro Ala Phe Val Ala Ser Ala Tyr					
	225		230		235
Ile Pro Glu Ser Leu Gly Ser Leu Gln Gly Asp Asp Asp Lys Ile Tyr					
	245		250		255
Phe Phe Phe Ser Glu Thr Gly Gln Glu Phe Glu Phe Phe Glu Asn Thr					
	260		265		270
Ile Val Ser Gly Xaa					
	275				

<210> 1271
 <211> 832
 <212> PRT
 <213> Homo sapiens

<400> 1271
 Met Gly Leu Arg Ser Trp Leu Ala Ala Pro Trp Gly Ala Leu Pro Pro
 1 5 10 15
 Arg Pro Pro Leu Leu Leu Leu Leu Leu Leu Leu Leu Leu Leu Gln Pro
 20 25 30
 Pro Pro Pro Thr Trp Ala Leu Ser Pro Arg Ile Ser Leu Pro Leu Gly
 35 40 45
 Ser Glu Glu Arg Pro Phe Leu Arg Phe Glu Ala Glu His Ile Ser Asn
 50 55 60
 Tyr Thr Ala Leu Leu Leu Ser Arg Asp Gly Arg Thr Leu Tyr Val Gly
 65 70 75 80

Ala	Arg	Glu	Ala	Leu	Phe	Ala	Leu	Ser	Ser	Asn	Leu	Ser	Phe	Leu	Pro	
				85					90					95		
Gly	Gly	Glu	Tyr	Gln	Glu	Leu	Leu	Trp	Gly	Ala	Asp	Ala	Glu	Lys	Lys	
			100					105					110			
Gln	Gln	Cys	Ser	Phe	Lys	Gly	Lys	Asp	Pro	Gln	Arg	Asp	Cys	Gln	Asn	
		115					120					125				
Tyr	Ile	Lys	Ile	Leu	Leu	Pro	Leu	Ser	Gly	Ser	His	Leu	Phe	Thr	Cys	
	130					135					140					
Gly	Thr	Ala	Ala	Phe	Ser	Pro	Met	Cys	Thr	Tyr	Ile	Asn	Met	Glu	Asn	
145					150					155					160	
Phe	Thr	Leu	Ala	Arg	Asp	Glu	Lys	Gly	Asn	Val	Leu	Leu	Glu	Asp	Gly	
				165					170					175		
Lys	Gly	Arg	Cys	Pro	Phe	Asp	Pro	Asn	Phe	Lys	Ser	Thr	Ala	Leu	Val	
			180					185					190			
Val	Asp	Gly	Glu	Leu	Tyr	Thr	Gly	Thr	Val	Ser	Ser	Phe	Gln	Gly	Asn	
	195						200					205				
Asp	Pro	Ala	Ile	Ser	Arg	Ser	Gln	Ser	Leu	Arg	Pro	Thr	Lys	Thr	Glu	
	210					215					220					
Ser	Ser	Leu	Asn	Trp	Leu	Gln	Asp	Pro	Ala	Phe	Val	Ala	Ser	Ala	Tyr	
225					230					235					240	
Ile	Pro	Glu	Ser	Leu	Gly	Ser	Leu	Gln	Gly	Asp	Asp	Asp	Lys	Ile	Tyr	
				245					250					255		
Phe	Phe	Phe	Ser	Glu	Thr	Gly	Gln	Glu	Phe	Glu	Phe	Phe	Glu	Asn	Thr	
			260					265					270			
Ile	Val	Ser	Arg	Ile	Ala	Arg	Ile	Cys	Lys	Gly	Asp	Glu	Gly	Gly	Glu	
	275						280					285				
Arg	Val	Leu	Gln	Gln	Arg	Trp	Thr	Ser	Phe	Leu	Lys	Ala	Gln	Leu	Leu	
	290					295					300					
Cys	Ser	Arg	Pro	Asp	Asp	Gly	Phe	Pro	Phe	Asn	Val	Leu	Gln	Asp	Val	
305					310					315					320	
Phe	Thr	Leu	Ser	Pro	Ser	Pro	Gln	Asp	Trp	Arg	Asp	Thr	Leu	Phe	Tyr	
				325					330					335		
Gly	Val	Phe	Thr	Ser	Gln	Trp	His	Arg	Gly	Thr	Thr	Glu	Gly	Ser	Ala	
			340					345					350			
Val	Cys	Val	Phe	Thr	Met	Lys	Asp	Val	Gln	Arg	Val	Phe	Ser	Gly	Leu	

355					360					365					
Tyr	Lys	Glu	Val	Asn	Arg	Glu	Thr	Gln	Gln	Trp	Tyr	Thr	Val	Thr	His
	370					375					380				
Pro	Val	Pro	Thr	Pro	Arg	Pro	Gly	Ala	Cys	Ile	Thr	Asn	Ser	Ala	Arg
385					390					395					400
Glu	Arg	Lys	Ile	Asn	Ser	Ser	Leu	Gln	Leu	Pro	Asp	Arg	Val	Leu	Asn
				405					410					415	
Phe	Leu	Lys	Asp	His	Phe	Leu	Met	Asp	Gly	Gln	Val	Arg	Ser	Arg	Met
			420					425					430		
Leu	Leu	Leu	Gln	Pro	Gln	Ala	Arg	Tyr	Gln	Arg	Val	Ala	Val	His	Arg
		435					440					445			
Val	Pro	Gly	Leu	His	His	Thr	Tyr	Asp	Val	Leu	Phe	Leu	Gly	Thr	Gly
	450					455					460				
Asp	Gly	Arg	Leu	His	Lys	Ala	Val	Ser	Val	Gly	Pro	Arg	Val	His	Ile
465					470					475					480
Ile	Glu	Glu	Leu	Gln	Ile	Phe	Ser	Ser	Gly	Gln	Pro	Val	Gln	Asn	Leu
				485					490					495	
Leu	Leu	Asp	Thr	His	Arg	Gly	Leu	Leu	Tyr	Ala	Ala	Ser	His	Ser	Gly
			500					505					510		
Val	Val	Gln	Val	Pro	Met	Ala	Asn	Cys	Ser	Leu	Tyr	Arg	Ser	Cys	Gly
		515					520					525			
Asp	Cys	Leu	Leu	Ala	Arg	Asp	Pro	Tyr	Cys	Ala	Trp	Ser	Gly	Ser	Ser
	530					535					540				
Cys	Lys	His	Val	Ser	Leu	Tyr	Gln	Pro	Gln	Leu	Ala	Thr	Arg	Pro	Trp
545					550					555					560
Ile	Gln	Asp	Ile	Glu	Gly	Ala	Ser	Ala	Lys	Asp	Leu	Cys	Ser	Ala	Ser
				565					570					575	
Ser	Val	Val	Ser	Pro	Ser	Phe	Val	Pro	Thr	Gly	Glu	Lys	Pro	Cys	Glu
			580					585					590		
Gln	Val	Gln	Phe	Gln	Pro	Asn	Thr	Val	Asn	Thr	Leu	Ala	Cys	Pro	Leu
		595					600					605			
Leu	Ser	Asn	Leu	Ala	Thr	Arg	Leu	Trp	Leu	Arg	Asn	Gly	Ala	Pro	Val
	610					615					620				
Asn	Ala	Ser	Ala	Ser	Cys	His	Val	Leu	Pro	Thr	Gly	Asp	Leu	Leu	Leu
625					630					635					640

Val	Gly	Thr	Gln	Gln	Leu	Gly	Glu	Phe	Gln	Cys	Trp	Ser	Leu	Glu	Glu		
				645					650					655			
Gly	Phe	Gln	Gln	Leu	Val	Ala	Ser	Tyr	Cys	Pro	Glu	Val	Val	Glu	Asp		
			660					665					670				
Gly	Val	Ala	Asp	Gln	Thr	Asp	Glu	Gly	Gly	Ser	Val	Pro	Val	Ile	Ile		
		675					680					685					
Ser	Thr	Ser	Arg	Val	Ser	Ala	Pro	Ala	Gly	Gly	Lys	Ala	Ser	Trp	Gly		
	690					695					700						
Ala	Asp	Arg	Ser	Tyr	Trp	Lys	Glu	Phe	Leu	Val	Met	Cys	Thr	Leu	Phe		
705					710					715					720		
Val	Leu	Ala	Val	Leu	Leu	Pro	Val	Leu	Phe	Leu	Leu	Tyr	Arg	His	Arg		
				725					730					735			
Asn	Ser	Met	Lys	Val	Phe	Leu	Lys	Gln	Gly	Glu	Cys	Ala	Ser	Val	His		
			740					745					750				
Pro	Lys	Thr	Cys	Pro	Val	Val	Leu	Pro	Pro	Glu	Thr	Arg	Pro	Leu	Asn		
		755					760					765					
Gly	Leu	Gly	Pro	Pro	Ser	Thr	Pro	Leu	Asp	His	Arg	Gly	Tyr	Gln	Ser		
	770					775					780						
Leu	Ser	Asp	Ser	Pro	Pro	Gly	Ala	Arg	Val	Phe	Thr	Glu	Ser	Glu	Lys		
785					790					795					800		
Arg	Pro	Leu	Ser	Ile	Gln	Asp	Ser	Phe	Val	Glu	Val	Ser	Pro	Val	Cys		
				805					810					815			
Pro	Arg	Pro	Arg	Val	Arg	Leu	Gly	Ser	Glu	Ile	Arg	Asp	Ser	Val	Val		
			820					825					830				

<210> 1272

<211> 196

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (147)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (156)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (184)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1272
 Met Gly Lys Trp Lys Glu Ser Leu Gln Asn Ala Xaa His Leu Pro Pro
 1 5 10 15
 Ile Leu Leu Leu Arg Xaa Ile His Leu Phe Cys Ala Val Leu Ala Gly
 20 25 30
 Gly Lys Glu Asn Gly Gln Met Ala Val Ser Asp Gly Ser Val Lys Gly
 35 40 45
 Leu Leu Ser Val Val Arg Xaa Trp Ser Arg Gly Pro Ala Pro Asp Pro
 50 55 60
 Cys Leu Val Pro Leu Ala Leu Glu Ala Leu Val Gly Ala Val His Val
 65 70 75 80
 Leu His Ala Ser Arg Ala Pro Pro Arg Gly Pro Glu Leu Arg Ala Leu
 85 90 95
 Leu Glu Ser Tyr Phe His Val Leu Asn Ala Asp Trp Pro Ala Gly Leu
 100 105 110
 Ser Ser Gly Pro Glu Glu Ala Leu Val Thr Leu Arg Val Ser Met Leu
 115 120 125
 Asp Ala Ile Pro Met Met Leu His Val Lys Thr Gly Gln Cys Leu Gln
 130 135 140

Pro Pro Xaa Ser Ala Thr Ile Ala Leu Asn Thr Xaa Leu Gly Ser Phe
145 150 155 160

Lys Asn Lys Gln Gly Ser Trp Thr Lys Thr Gln Thr His Cys Ser Pro
165 170 175

Cys Ser Gln Ser Ala Asp Leu Xaa His Glu Val Thr Pro Leu Gly Pro
180 185 190

Arg Arg Trp Leu
195

<210> 1273

<211> 347

<212> PRT

<213> Homo sapiens

<400> 1273

Met Ser Ser Trp Ser Arg Gln Arg Pro Lys Ser Pro Gly Gly Ile Gln
1 5 10 15

Pro His Val Ser Arg Thr Leu Phe Leu Leu Leu Leu Ala Ala Ser
20 25 30

Ala Trp Gly Val Thr Leu Ser Pro Lys Asp Cys Gln Val Phe Arg Ser
35 40 45

Asp His Gly Ser Ser Ile Ser Cys Gln Pro Pro Ala Glu Ile Pro Gly
50 55 60

Tyr Leu Pro Ala Asp Thr Val His Leu Ala Val Glu Phe Phe Asn Leu
65 70 75 80

Thr His Leu Pro Ala Asn Leu Leu Gln Gly Ala Ser Lys Leu Gln Glu
85 90 95

Leu His Leu Ser Ser Asn Gly Leu Glu Ser Leu Ser Pro Glu Phe Leu
100 105 110

Arg Pro Val Pro Gln Leu Arg Val Leu Asp Leu Thr Arg Asn Ala Leu
115 120 125

Thr Gly Leu Pro Ser Gly Leu Phe Gln Ala Ser Ala Thr Leu Asp Thr
130 135 140

Leu Val Leu Lys Glu Asn Gln Leu Glu Val Leu Glu Val Ser Trp Leu
145 150 155 160

His Gly Leu Lys Ala Leu Gly His Leu Asp Leu Ser Gly Asn Arg Leu

165								170				175			
Arg	Lys	Leu	Pro	Pro	Gly	Leu	Leu	Ala	Asn	Phe	Thr	Leu	Leu	Arg	Thr
			180					185				190			
Leu	Asp	Leu	Gly	Glu	Asn	Gln	Leu	Glu	Thr	Leu	Pro	Pro	Asp	Leu	Leu
		195					200					205			
Arg	Gly	Pro	Leu	Gln	Leu	Glu	Arg	Leu	His	Leu	Glu	Gly	Asn	Lys	Leu
	210					215					220				
Gln	Val	Leu	Gly	Lys	Asp	Leu	Leu	Leu	Pro	Gln	Pro	Asp	Leu	Arg	Tyr
225					230					235					240
Leu	Phe	Leu	Asn	Gly	Asn	Lys	Leu	Ala	Arg	Val	Ala	Ala	Gly	Ala	Phe
				245					250					255	
Gln	Gly	Leu	Arg	Gln	Leu	Asp	Met	Leu	Asp	Leu	Ser	Asn	Asn	Ser	Leu
			260					265				270			
Ala	Ser	Val	Pro	Glu	Gly	Leu	Trp	Ala	Ser	Leu	Gly	Gln	Pro	Asn	Trp
		275					280					285			
Asp	Met	Arg	Asp	Gly	Phe	Asp	Ile	Ser	Gly	Asn	Pro	Trp	Ile	Cys	Asp
	290					295					300				
Gln	Asn	Leu	Ser	Asp	Leu	Tyr	Arg	Trp	Leu	Gln	Ala	Gln	Lys	Asp	Lys
305					310					315					320
Met	Phe	Ser	Gln	Asn	Asp	Thr	Arg	Cys	Ala	Gly	Pro	Glu	Ala	Val	Lys
				325					330					335	
Gly	Gln	Thr	Leu	Leu	Ala	Val	Ala	Lys	Ser	Gln					
			340					345							

<210> 1274

<211> 347

<212> PRT

<213> Homo sapiens

<400> 1274

Met	Ser	Ser	Trp	Ser	Arg	Gln	Arg	Pro	Lys	Ser	Pro	Gly	Gly	Ile	Gln
1				5					10					15	
Pro	His	Val	Ser	Arg	Thr	Leu	Phe	Leu	Leu	Leu	Leu	Leu	Ala	Ala	Ser
				20				25					30		
Ala	Trp	Gly	Val	Thr	Leu	Ser	Pro	Lys	Asp	Cys	Gln	Val	Phe	Arg	Ser
		35					40					45			

Asp	His	Gly	Ser	Ser	Ile	Ser	Cys	Gln	Pro	Pro	Ala	Glu	Ile	Pro	Gly	50	55	60
Tyr	Leu	Pro	Ala	Asp	Thr	Val	His	Leu	Ala	Val	Glu	Phe	Phe	Asn	Leu	65	70	75
Thr	His	Leu	Pro	Ala	Asn	Leu	Leu	Gln	Gly	Ala	Ser	Lys	Leu	Gln	Glu	85	90	95
Leu	His	Leu	Ser	Ser	Asn	Gly	Leu	Glu	Ser	Leu	Ser	Pro	Glu	Phe	Leu	100	105	110
Arg	Pro	Val	Pro	Gln	Leu	Arg	Val	Leu	Asp	Leu	Thr	Arg	Asn	Ala	Leu	115	120	125
Thr	Gly	Leu	Pro	Ser	Gly	Leu	Phe	Gln	Ala	Ser	Ala	Thr	Leu	Asp	Thr	130	135	140
Leu	Val	Leu	Lys	Glu	Asn	Gln	Leu	Glu	Val	Leu	Glu	Val	Ser	Trp	Leu	145	150	155
His	Gly	Leu	Lys	Ala	Leu	Gly	His	Leu	Asp	Leu	Ser	Gly	Asn	Arg	Leu	165	170	175
Arg	Lys	Leu	Pro	Pro	Gly	Leu	Leu	Ala	Asn	Phe	Thr	Leu	Leu	Arg	Thr	180	185	190
Leu	Asp	Leu	Gly	Glu	Asn	Gln	Leu	Glu	Thr	Leu	Pro	Pro	Asp	Leu	Leu	195	200	205
Arg	Gly	Pro	Leu	Gln	Leu	Glu	Arg	Leu	His	Leu	Glu	Gly	Asn	Lys	Leu	210	215	220
Gln	Val	Leu	Gly	Lys	Asp	Leu	Leu	Leu	Pro	Gln	Pro	Asp	Leu	Arg	Tyr	225	230	235
Leu	Phe	Leu	Asn	Gly	Asn	Lys	Leu	Ala	Arg	Val	Ala	Ala	Gly	Ala	Phe	245	250	255
Gln	Gly	Leu	Arg	Gln	Leu	Asp	Met	Leu	Asp	Leu	Ser	Asn	Asn	Ser	Leu	260	265	270
Ala	Ser	Val	Pro	Glu	Gly	Leu	Trp	Ala	Ser	Leu	Gly	Gln	Pro	Asn	Trp	275	280	285
Asp	Met	Arg	Asp	Gly	Phe	Asp	Ile	Ser	Gly	Asn	Pro	Trp	Ile	Cys	Asp	290	295	300
Gln	Asn	Leu	Ser	Asp	Leu	Tyr	Arg	Trp	Leu	Gln	Ala	Gln	Lys	Asp	Lys	305	310	315
Met	Phe	Ser	Gln	Asn	Asp	Thr	Arg	Cys	Ala	Gly	Pro	Glu	Ala	Val	Lys			

	325		330		335
Gly Gln Thr	Leu Leu Ala Val Ala	Lys Ser Gln			
	340		345		
<210> 1275					
<211> 347					
<212> PRT					
<213> Homo sapiens					
<400> 1275					
Met	Ser Ser Trp	Ser Arg Gln Arg	Pro Lys Ser	Pro Gly Gly	Ile Gln
1		5	10		15
Pro His Val	Ser Arg Thr Leu Phe	Leu Leu Leu Leu	Ala Ala Ser		
	20	25	30		
Ala Trp Gly	Val Thr Leu Ser	Pro Lys Asp Cys	Gln Val Phe	Arg Ser	
	35	40	45		
Asp His Gly	Ser Ser Ile Ser	Cys Gln Pro Pro	Ala Glu Ile	Pro Gly	
	50	55	60		
Tyr Leu Pro	Ala Asp Thr Val	His Leu Ala Val	Glu Phe Phe	Asn Leu	
65	70	75		80	
Thr His Leu	Pro Ala Asn Leu	Leu Gln Gly Ala	Ser Lys Leu	Gln Glu	
	85	90		95	
Leu His Leu	Ser Ser Asn Gly	Leu Glu Ser Leu	Ser Pro Glu	Phe Leu	
	100	105	110		
Arg Pro Val	Pro Gln Leu Arg	Val Leu Asp Leu	Thr Arg Asn	Ala Leu	
	115	120	125		
Thr Gly Leu	Pro Ser Gly Leu	Phe Gln Ala Ser	Ala Thr Leu	Asp Thr	
130	135	140			
Leu Val Leu	Lys Glu Asn Gln	Leu Glu Val Leu	Glu Val Ser	Trp Leu	
145	150	155		160	
His Gly Leu	Lys Ala Leu Gly	His Leu Asp Leu	Ser Gly Asn	Arg Leu	
	165	170	175		
Arg Lys Leu	Pro Pro Gly Leu	Leu Ala Asn Phe	Thr Leu Leu	Arg Thr	
	180	185	190		
Leu Asp Leu	Gly Glu Asn Gln	Leu Glu Thr Leu	Pro Pro Asp	Leu Leu	
	195	200	205		

Arg Gly Pro Leu Gln Leu Glu Arg Leu His Leu Glu Gly Asn Lys Leu
 210 215 220
 Gln Val Leu Gly Lys Asp Leu Leu Leu Pro Gln Pro Asp Leu Arg Tyr
 225 230 235 240
 Leu Phe Leu Asn Gly Asn Lys Leu Ala Arg Val Ala Ala Gly Ala Phe
 245 250 255
 Gln Gly Leu Arg Gln Leu Asp Met Leu Asp Leu Ser Asn Asn Ser Leu
 260 265 270
 Ala Ser Val Pro Glu Gly Leu Trp Ala Ser Leu Gly Gln Pro Asn Trp
 275 280 285
 Asp Met Arg Asp Gly Phe Asp Ile Ser Gly Asn Pro Trp Ile Cys Asp
 290 295 300
 Gln Asn Leu Ser Asp Leu Tyr Arg Trp Leu Gln Ala Gln Lys Asp Lys
 305 310 315 320
 Met Phe Ser Gln Asn Asp Thr Arg Cys Ala Gly Pro Glu Ala Val Lys
 325 330 335
 Gly Gln Thr Leu Leu Ala Val Ala Lys Ser Gln
 340 345

<210> 1276

<211> 286

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1276

Met Leu Met Leu Met Leu Leu Met Met Phe Ala Val His Cys Thr Trp
 1 5 10 15
 Val Thr Ser Asn Ala Tyr Ser Ser Pro Ser Val Val Leu Ala Ser Tyr
 20 25 30
 Asn His Asp Gly Thr Arg Asn Ile Leu Asp Asp Phe Arg Glu Ala Tyr
 35 40 45
 Phe Trp Leu Arg Gln Asn Thr Asp Glu His Ala Arg Val Met Ser Trp
 50 55 60

Trp	Asp	Tyr	Gly	Tyr	Gln	Ile	Ala	Gly	Met	Ala	Asn	Arg	Thr	Thr	Leu	65	70	75	80
Val	Asp	Asn	Asn	Thr	Trp	Asn	Asn	Ser	His	Ile	Ala	Leu	Val	Gly	Lys	85	90	95	
Ala	Met	Ser	Ser	Asn	Glu	Thr	Ala	Ala	Tyr	Lys	Ile	Met	Arg	Thr	Leu	100	105	110	
Asp	Val	Asp	Tyr	Val	Leu	Val	Ile	Phe	Gly	Gly	Val	Ile	Gly	Tyr	Ser	115	120	125	
Gly	Asp	Asp	Ile	Asn	Lys	Phe	Leu	Trp	Met	Val	Arg	Ile	Ala	Glu	Gly	130	135	140	
Glu	His	Pro	Lys	Asp	Ile	Arg	Glu	Ser	Asp	Tyr	Phe	Thr	Pro	Gln	Gly	145	150	155	160
Glu	Phe	Arg	Val	Asp	Lys	Ala	Gly	Ser	Pro	Thr	Leu	Xaa	Asn	Cys	Leu	165	170	175	
Met	Tyr	Lys	Met	Ser	Tyr	Tyr	Arg	Phe	Gly	Glu	Met	Gln	Leu	Asp	Phe	180	185	190	
Arg	Thr	Pro	Pro	Gly	Phe	Asp	Arg	Thr	Arg	Asn	Ala	Glu	Ile	Gly	Asn	195	200	205	
Lys	Asp	Ile	Lys	Phe	Lys	His	Leu	Glu	Glu	Ala	Phe	Thr	Ser	Glu	His	210	215	220	
Trp	Leu	Val	Arg	Ile	Tyr	Lys	Val	Lys	Ala	Pro	Asp	Asn	Arg	Glu	Thr	225	230	235	240
Leu	Asp	His	Lys	Pro	Arg	Val	Thr	Asn	Ile	Phe	Pro	Lys	Gln	Lys	Tyr	245	250	255	
Leu	Ser	Lys	Lys	Thr	Thr	Lys	Arg	Lys	Arg	Gly	Tyr	Ile	Lys	Asn	Lys	260	265	270	
Leu	Val	Phe	Lys	Lys	Gly	Lys	Lys	Ile	Ser	Lys	Lys	Thr	Val			275	280	285	

<210> 1277

<211> 286

<212> PRT

<213> Homo sapiens

<400> 1277

Met	Leu	Met	Leu	Met	Leu	Leu	Met	Met	Phe	Ala	Val	His	Cys	Thr	Trp	1	5	10	15
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---	---	----	----

Val	Thr	Ser	Asn	Ala	Tyr	Ser	Ser	Pro	Ser	Val	Val	Leu	Ala	Ser	Tyr		
			20					25					30				
Asn	His	Asp	Gly	Thr	Arg	Asn	Ile	Leu	Asp	Asp	Phe	Arg	Glu	Ala	Tyr		
		35					40					45					
Phe	Trp	Leu	Arg	Gln	Asn	Thr	Asp	Glu	His	Ala	Arg	Val	Met	Ser	Trp		
	50					55					60						
Trp	Asp	Tyr	Gly	Tyr	Gln	Ile	Ala	Gly	Met	Ala	Asn	Arg	Thr	Thr	Leu		
65					70					75					80		
Val	Asp	Asn	Asn	Thr	Trp	Asn	Asn	Ser	His	Ile	Ala	Leu	Val	Gly	Lys		
				85					90					95			
Ala	Met	Ser	Ser	Asn	Glu	Thr	Ala	Ala	Tyr	Lys	Ile	Met	Arg	Thr	Leu		
			100					105					110				
Asp	Val	Asp	Tyr	Val	Leu	Val	Ile	Phe	Gly	Gly	Val	Ile	Gly	Tyr	Ser		
	115						120					125					
Gly	Asp	Asp	Ile	Asn	Lys	Phe	Leu	Trp	Met	Val	Arg	Ile	Ala	Glu	Gly		
	130					135					140						
Glu	His	Pro	Lys	Asp	Ile	Arg	Glu	Ser	Asp	Tyr	Phe	Thr	Pro	Gln	Gly		
145					150					155					160		
Glu	Phe	Arg	Val	Asp	Lys	Ala	Gly	Ser	Pro	Thr	Leu	Leu	Asn	Cys	Leu		
			165						170					175			
Met	Tyr	Lys	Met	Ser	Tyr	Tyr	Arg	Phe	Gly	Glu	Met	Gln	Leu	Asp	Phe		
			180					185					190				
Arg	Thr	Pro	Pro	Gly	Phe	Asp	Arg	Thr	Arg	Asn	Ala	Glu	Ile	Gly	Asn		
		195					200					205					
Lys	Asp	Ile	Lys	Phe	Lys	His	Leu	Glu	Glu	Ala	Phe	Thr	Ser	Glu	His		
	210					215					220						
Trp	Leu	Val	Arg	Ile	Tyr	Lys	Val	Lys	Ala	Pro	Asp	Asn	Arg	Glu	Thr		
225					230					235					240		
Leu	Asp	His	Lys	Pro	Arg	Val	Thr	Asn	Ile	Phe	Pro	Lys	Gln	Lys	Tyr		
			245						250					255			
Leu	Ser	Lys	Lys	Thr	Thr	Lys	Arg	Lys	Arg	Gly	Tyr	Ile	Lys	Asn	Lys		
			260					265					270				
Leu	Val	Phe	Lys	Lys	Gly	Lys	Lys	Ile	Ser	Lys	Lys	Thr	Val				
	275						280					285					

<210> 1278
 <211> 135
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1278
 Met Ser Ala Leu Arg Pro Leu Leu Leu Leu Leu Leu Pro Leu Cys Pro
 1 5 10 15
 Gly Pro Gly Pro Gly Pro Gly Ser Glu Ala Lys Val Thr Arg Ser Cys
 20 25 30
 Ala Glu Thr Arg Gln Val Leu Gly Ala Arg Gly Tyr Ser Leu Asn Leu
 35 40 45
 Ile Pro Pro Ala Leu Ile Ser Gly Glu His Leu Arg Val Cys Pro Gln
 50 55 60
 Glu Tyr Thr Cys Cys Ser Ser Glu Thr Glu Gln Arg Leu Ile Arg Glu
 65 70 75 80
 Thr Glu Ala Thr Phe Arg Gly Leu Val Glu Asp Ser Gly Ser Phe Leu
 85 90 95
 Val His Thr Leu Ala Ala Arg His Arg Lys Phe Asp Asp Asn Pro Asp
 100 105 110
 Pro Gly Gly Cys Pro Ser Leu Leu Cys Lys Ala Trp Arg Leu Glu Glu
 115 120 125
 Met Trp Ser Ser Glu Xaa Ala
 130 135

<210> 1279
 <211> 134
 <212> PRT
 <213> Homo sapiens

<400> 1279
 Met Ser Ala Leu Arg Pro Leu Leu Leu Leu Leu Leu Pro Leu Cys Pro
 1 5 10 15
 Gly Pro Gly Pro Gly Pro Gly Ser Glu Ala Lys Val Thr Arg Ser Cys

	20		25		30										
Ala	Glu	Thr	Arg	Gln	Val	Leu	Gly	Ala	Arg	Gly	Tyr	Ser	Leu	Asn	Leu
	35						40					45			
Ile	Pro	Pro	Ala	Leu	Ile	Ser	Gly	Glu	His	Leu	Arg	Val	Cys	Pro	Gln
	50					55					60				
Glu	Tyr	Thr	Cys	Cys	Ser	Ser	Glu	Thr	Glu	Gln	Arg	Leu	Ile	Arg	Glu
	65				70					75					80
Thr	Glu	Ala	Thr	Phe	Arg	Gly	Leu	Val	Glu	Asp	Ser	Gly	Ser	Phe	Leu
				85					90					95	
Val	His	Thr	Leu	Ala	Ala	Arg	His	Arg	Lys	Phe	Asp	Asp	Asn	Pro	Asp
			100					105					110		
Pro	Gly	Gly	Cys	Pro	Ser	Leu	Cys	Ala	Gly	Pro	Gly	Asp	Trp	Lys	Lys
	115						120					125			
Cys	Gly	Gln	Arg	Cys	Ala										
	130														

<210> 1280

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1280

Cys	Ala	Leu	Xaa	Phe	Glu	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Leu	Arg	Trp
1				5				10						15	

Ser	Leu	Gly	Asn	Lys	Ala	Arg	Leu	Xaa	Gln	Lys	Lys	Lys	Lys	Lys	Lys
			20					25					30		

Lys	Thr	Ser	Val	Gly	Lys	Asn	Met	Glu	Asn	Trp	Asn	Pro	Asp	Thr	Leu
		35					40					45			

Leu	Val	Gly	Leu
			50

<210> 1281
<211> 17
<212> PRT
<213> Homo sapiens

<400> 1281
Met Arg Val Val Ser Gly Thr Leu Phe Ile His Phe Leu Val Leu Ile
1 5 10 15

Phe

<210> 1282
<211> 17
<212> PRT
<213> Homo sapiens

<400> 1282
Met Arg Val Val Ser Gly Thr Leu Phe Ile His Phe Leu Val Leu Ile
1 5 10 15

Phe

<210> 1283
<211> 182
<212> PRT
<213> Homo sapiens

<400> 1283
Met Ala Lys Arg Ser Arg Gly Pro Gly Arg Arg Cys Leu Leu Ala Leu
1 5 10 15

Val Leu Phe Cys Ala Trp Gly Thr Leu Ala Val Val Ala Gln Lys Pro
20 25 30

Gly Ala Gly Cys Pro Ser Arg Cys Leu Cys Phe Arg Thr Thr Val Arg
35 40 45

Cys Met His Leu Leu Leu Glu Ala Val Pro Ala Val Ala Pro Gln Thr
50 55 60

Ser Ile Leu Asp Leu Arg Phe Asn Arg Ile Arg Glu Ile Gln Pro Gly
65 70 75 80

Ala	Phe	Arg	Arg	Leu	Arg	Asn	Leu	Asn	Thr	Leu	Leu	Leu	Asn	Asn	Asn	
				85					90					95		
Gln	Ile	Lys	Arg	Ile	Pro	Ser	Gly	Ala	Phe	Glu	Asp	Leu	Glu	Asn	Leu	
			100					105					110			
Lys	Tyr	Leu	Tyr	Leu	His	Phe	Asn	Gln	Ile	Glu	Thr	Leu	Asp	Pro	Asp	
		115					120					125				
Ser	Phe	Gln	His	Leu	Pro	Lys	Leu	Glu	Arg	Leu	Phe	Leu	His	Asn	Asn	
	130					135					140					
Arg	Ile	Thr	His	Leu	Val	Pro	Gly	Thr	Phe	Asn	His	Leu	Glu	Ser	Met	
145					150					155					160	
Lys	Arg	Leu	Arg	Leu	Asp	Ser	Asn	Thr	Leu	His	Cys	Asp	Cys	Glu	Ile	
				165					170					175		
Leu	Trp	Leu	Arg	Ile	Cys											
			180													

<210> 1284
 <211> 550
 <212> PRT
 <213> Homo sapiens

<400> 1284																
Ala	Leu	Pro	Gln	Gln	Ala	Ala	Val	Ala	Gly	Ile	Val	Gln	Arg	Ser	Gly	
1				5					10					15		
Lys	Pro	Leu	Leu	Pro	Phe	Ala	Thr	Gly	Pro	Pro	Thr	Glu	Cys	Met	Arg	
			20					25					30			
Asp	Glu	Asn	Glu	Ser	Pro	Ile	Pro	Cys	Phe	Leu	Ala	Gly	Asp	His	Arg	
		35					40					45				
Ala	Asn	Glu	Gln	Leu	Gly	Leu	Thr	Ser	Met	His	Thr	Leu	Trp	Phe	Arg	
	50					55					60					
Glu	His	Asn	Arg	Ile	Ala	Thr	Glu	Leu	Leu	Lys	Leu	Asn	Pro	His	Trp	
65					70					75					80	
Asp	Gly	Asp	Thr	Ile	Tyr	Tyr	Glu	Thr	Arg	Lys	Ile	Val	Gly	Ala	Glu	
				85					90					95		
Ile	Gln	His	Ile	Thr	Tyr	Gln	His	Trp	Leu	Pro	Lys	Ile	Leu	Gly	Glu	
			100					105					110			
Val	Gly	Met	Arg	Thr	Leu	Gly	Glu	Tyr	His	Gly	Tyr	Asp	Pro	Gly	Ile	
		115					120					125				

Asn	Ala	Gly	Ile	Phe	Asn	Ala	Phe	Ala	Thr	Ala	Ala	Phe	Arg	Phe	Gly	130	135	140	
His	Thr	Leu	Val	Asn	Pro	Leu	Leu	Tyr	Arg	Leu	Asp	Glu	Asn	Phe	Gln	145	150	155	160
Pro	Ile	Ala	Gln	Asp	His	Leu	Pro	Leu	His	Lys	Ala	Phe	Phe	Ser	Pro	165	170	175	
Phe	Arg	Ile	Val	Asn	Glu	Gly	Gly	Ile	Asp	Pro	Leu	Leu	Arg	Gly	Leu	180	185	190	
Phe	Gly	Val	Ala	Gly	Lys	Met	Arg	Val	Pro	Ser	Gln	Leu	Leu	Asn	Thr	195	200	205	
Glu	Leu	Thr	Glu	Arg	Leu	Phe	Ser	Met	Ala	His	Thr	Val	Ala	Leu	Asp	210	215	220	
Leu	Ala	Ala	Ile	Asn	Ile	Gln	Arg	Gly	Arg	Asp	His	Gly	Ile	Pro	Pro	225	230	235	240
Tyr	His	Asp	Tyr	Arg	Val	Tyr	Cys	Asn	Leu	Ser	Ala	Ala	His	Thr	Phe	245	250	255	
Glu	Asp	Leu	Lys	Asn	Glu	Ile	Lys	Asn	Pro	Glu	Ile	Arg	Glu	Lys	Leu	260	265	270	
Lys	Arg	Leu	Tyr	Gly	Ser	Thr	Leu	Asn	Ile	Asp	Leu	Phe	Pro	Ala	Leu	275	280	285	
Val	Val	Glu	Asp	Leu	Val	Pro	Gly	Ser	Arg	Leu	Gly	Pro	Thr	Leu	Met	290	295	300	
Cys	Leu	Leu	Ser	Thr	Gln	Phe	Lys	Arg	Leu	Arg	Asp	Gly	Asp	Arg	Leu	305	310	315	320
Trp	Tyr	Glu	Asn	Pro	Gly	Val	Phe	Ser	Pro	Ala	Gln	Leu	Thr	Gln	Ile	325	330	335	
Lys	Gln	Thr	Ser	Leu	Ala	Arg	Ile	Leu	Cys	Asp	Asn	Ala	Asp	Asn	Ile	340	345	350	
Thr	Arg	Val	Gln	Ser	Asp	Val	Phe	Arg	Val	Ala	Glu	Phe	Pro	His	Gly	355	360	365	
Tyr	Gly	Ser	Cys	Asp	Glu	Ile	Pro	Arg	Val	Asp	Leu	Arg	Val	Trp	Gln	370	375	380	
Asp	Cys	Cys	Glu	Asp	Cys	Arg	Thr	Arg	Gly	Gln	Phe	Asn	Ala	Phe	Ser	385	390	395	400

Tyr His Phe Arg Gly Arg Arg Ser Leu Glu Phe Ser Tyr Gln Glu Asp
 405 410 415
 Lys Pro Thr Lys Lys Thr Arg Pro Arg Lys Ile Pro Ser Val Gly Arg
 420 425 430
 Gln Gly Glu His Leu Ser Asn Ser Thr Ser Ala Phe Ser Thr Arg Ser
 435 440 445
 Asp Ala Ser Gly Thr Asn Asp Phe Arg Glu Phe Val Leu Glu Met Gln
 450 455 460
 Lys Thr Ile Thr Asp Leu Arg Thr Gln Ile Lys Lys Leu Glu Ser Arg
 465 470 475 480
 Leu Ser Thr Thr Glu Cys Val Asp Ala Gly Gly Glu Ser His Ala Asn
 485 490 495
 Asn Thr Lys Trp Lys Lys Asp Ala Cys Thr Ile Cys Glu Cys Lys Asp
 500 505 510
 Gly Gln Val Thr Cys Phe Val Glu Ala Cys Pro Pro Ala Thr Cys Ala
 515 520 525
 Val Pro Val Asn Ile Pro Gly Ala Cys Cys Pro Val Cys Leu Gln Lys
 530 535 540
 Arg Ala Glu Glu Lys Pro
 545 550

<210> 1285

<211> 210

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (139)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (187)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1285

Met Glu Ala Pro Gly Pro Arg Ala Leu Arg Thr Ala Leu Cys Gly Gly
 1 5 10 15

Cys Cys Cys Leu Leu Leu Cys Ala Gln Leu Ala Val Ala Gly Lys Gly

	20		25		30
Ala Arg Gly Phe Gly Arg Gly Ala Leu Ile Arg Leu Asn Ile Trp Pro	35	40	45		
Ala Val Gln Gly Ala Cys Lys Gln Leu Glu Val Cys Glu His Cys Val	50	55	60		
Glu Gly Asp Arg Ala Arg Asn Leu Ser Ser Cys Met Trp Glu Gln Cys	65	70	75	80	
Arg Pro Glu Glu Pro Gly His Cys Val Ala Gln Ser Glu Val Val Lys	85	90	95		
Glu Gly Cys Ser Ile Tyr Asn Arg Ser Glu Ala Cys Pro Ala Ala His	100	105	110		
His His Pro Thr Tyr Glu Pro Lys Thr Val Thr Thr Gly Ser Pro Pro	115	120	125		
Val Pro Glu Ala His Ser Pro Gly Phe Asp Xaa Ala Ser Phe Ile Gly	130	135	140		
Gly Val Val Leu Val Leu Ser Leu Gln Ala Val Ala Phe Phe Val Leu	145	150	155	160	
Thr Ser Ser Arg Pro Arg Thr Ala Pro Thr Arg Arg Cys Glu Tyr Leu	165	170	175		
Ala Ser Ser Lys Tyr Leu Ser Pro Ser Ser Xaa Leu Val Pro Ala His	180	185	190		
Val Pro Phe Ser Thr Gln Gly Ala Val Phe Ser Thr Gly Lys Pro Ser	195	200	205		
Gly Arg	210				

<210> 1286

<211> 173

<212> PRT

<213> Homo sapiens

<400> 1286

Met Glu Ala Pro Gly Pro Arg Ala Leu Arg Thr Ala Leu Cys Gly Gly	1	5	10	15
Cys Cys Cys Leu Leu Leu Cys Ala Gln Leu Ala Val Ala Gly Lys Gly	20	25	30	

Ala Arg Gly Phe Gly Arg Gly Ala Leu Ile Arg Leu Asn Ile Trp Pro
 35 40 45
 Ala Val Gln Gly Ala Cys Lys Gln Leu Glu Val Cys Glu His Cys Val
 50 55 60
 Glu Gly Asp Arg Ala Arg Asn Leu Ser Ser Cys Met Trp Glu Gln Cys
 65 70 75 80
 Arg Pro Glu Glu Pro Gly His Cys Val Ala Gln Ser Glu Val Val Lys
 85 90 95
 Glu Gly Cys Ser Ile Tyr Asn Arg Ser Glu Ala Cys Pro Ala Ala His
 100 105 110
 His His Pro Thr Tyr Glu Pro Lys Thr Val Thr Thr Gly Ser Pro Pro
 115 120 125
 Val Pro Glu Ala His Ser Pro Gly Phe Asp Gly Ala Ser Phe Ile Gly
 130 135 140
 Gly Val Val Leu Val Leu Ser Leu Gln Ala Val Ala Phe Phe Val Leu
 145 150 155 160
 His Phe Leu Lys Ala Lys Asp Ser Thr Tyr Gln Thr Leu
 165 170

<210> 1287
 <211> 148
 <212> PRT
 <213> Homo sapiens

<400> 1287
 Met Thr Trp Lys Ile Lys Leu Arg Ser Ala Val Tyr Leu Ser Asp Ala
 1 5 10 15
 Thr Val Thr Thr Leu Gly Asn Leu Val Pro Phe Thr Leu Thr Leu Leu
 20 25 30
 Cys Phe Leu Leu Leu Ile Cys Ser Leu Cys Lys His Leu Lys Lys Met
 35 40 45
 Gln Leu His Gly Lys Gly Ser Gln Asp Pro Ser Thr Lys Val His Ile
 50 55 60
 Lys Val Leu Gln Thr Val Ile Phe Phe Leu Leu Leu Cys Ala Ile Tyr
 65 70 75 80
 Phe Leu Ser Ile Met Ile Ser Val Trp Ser Phe Gly Ser Leu Glu Asn
 85 90 95

Lys Pro Val Phe Met Phe Cys Lys Ala Ile Arg Phe Ser Tyr Pro Ser
100 105 110

Ile His Pro Phe Ile Leu Ile Trp Gly Asn Lys Lys Leu Lys Gln Thr
115 120 125

Phe Leu Ser Val Leu Arg Gln Val Arg Tyr Trp Val Lys Gly Glu Lys
130 135 140

Pro Ser Ser Pro
145

<210> 1288

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1288

Asn Glu Arg Val Leu Thr Tyr Ser Leu Ile Gly Ser Ser Ile Ile Arg
1 5 10 15

Lys Lys Cys Thr Val Leu Phe Thr Ala Lys Phe Tyr Leu Thr Val Leu
20 25 30

Ile Leu Gly Val Met Lys Phe Lys Gln Cys Asp Leu Asn Leu Lys Lys
35 40 45

Lys Lys Lys Lys Gly Arg Pro
50 55

<210> 1289

<211> 273

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (200)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1289

Met Arg Leu Pro Gly Val Pro Leu Ala Arg Pro Ala Leu Leu Leu Leu
1 5 10 15

Leu Pro Leu Leu Ala Pro Leu Leu Gly Thr Gly Ala Pro Ala Glu Leu
20 25 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (217)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1290

Met	Arg	Leu	Pro	Gly	Val	Pro	Leu	Ala	Arg	Pro	Ala	Leu	Leu	Leu	Leu
1				5					10					15	
Leu	Pro	Leu	Leu	Ala	Pro	Leu	Leu	Gly	Thr	Gly	Ala	Pro	Ala	Glu	Leu
			20					25					30		
Arg	Val	Arg	Val	Arg	Leu	Pro	Asp	Gly	Gln	Val	Thr	Glu	Glu	Ser	Leu
		35					40					45			
Gln	Ala	Asp	Ser	Asp	Ala	Asp	Ser	Ile	Ser	Leu	Glu	Leu	Arg	Lys	Pro
	50					55					60				
Asp	Gly	Thr	Leu	Val	Ser	Phe	Thr	Ala	Asp	Phe	Lys	Lys	Asp	Val	Lys
65					70					75					80
Val	Phe	Arg	Ala	Leu	Ile	Leu	Gly	Glu	Leu	Glu	Lys	Gly	Gln	Ser	Gln
				85					90					95	
Phe	Gln	Ala	Leu	Cys	Phe	Val	Thr	Gln	Leu	Gln	His	Asn	Glu	Ile	Ile
			100					105					110		
Pro	Ser	Glu	Ala	Met	Ala	Lys	Leu	Arg	Gln	Lys	Asn	Pro	Arg	Ala	Val
		115					120					125			
Arg	Gln	Ala	Glu	Glu	Val	Arg	Gly	Leu	Glu	His	Leu	His	Met	Asp	Val
	130					135					140				
Ala	Val	Asn	Phe	Ser	Gln	Gly	Ala	Leu	Leu	Ser	Pro	His	Leu	His	Asn
145					150					155					160
Val	Cys	Ala	Glu	Ala	Val	Asp	Ala	Ile	Tyr	Thr	Arg	Gln	Glu	Asp	Val
				165					170					175	
Arg	Phe	Trp	Leu	Glu	Gln	Gly	Val	Asp	Ser	Ser	Val	Phe	Glu	Ala	Leu
			180					185					190		
Pro	Lys	Ala	Ser	Glu	Gln	Ala	Glu	Leu	Pro	Arg	Cys	Arg	Gln	Val	Gly
		195					200					205			
Asp	Arg	Gly	Lys	Pro	Cys	Val	Cys	Xaa	Tyr	Gly	Leu	Ser	Leu	Ala	Trp
	210					215					220				
Tyr	Pro	Cys	Met	Leu	Lys	Tyr	Cys	His	Ser	Arg	Asp	Arg	Pro	Thr	Pro

225		230		235		240									
Tyr	Lys	Cys	Gly	Ile	Arg	Ser	Cys	Gln	Lys	Ser	Tyr	Ser	Phe	Asp	Phe
				245					250					255	
Tyr	Val	Pro	Gln	Arg	Gln	Leu	Cys	Leu	Trp	Asp	Glu	Asp	Pro	Tyr	Pro
			260					265						270	

Gly

<210> 1291
 <211> 934
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (225)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (596)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (852)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1291
 Met Leu Ala Gly Cys Phe Leu Leu Ile Leu Gly Gln Ile Val Leu Leu
 1 5 10 15

Pro Ala Glu Ala Arg Glu Arg Ser Arg Gly Arg Ser Ile Ser Arg Gly
 20 25 30

Arg His Ala Arg Thr His Pro Gln Thr Ala Leu Leu Glu Ser Ser Cys
 35 40 45

Glu Asn Lys Arg Ala Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser
 50 55 60

Val Asn Thr His Asp Tyr Ala Lys Val Lys Glu Phe Ile Val Asp Ile
 65 70 75 80

Leu Gln Phe Leu Asp Ile Gly Pro Asp Val Thr Arg Val Gly Leu Leu
 85 90 95

Gln Tyr Gly Ser Thr Val Lys Asn Glu Phe Ser Leu Lys Thr Phe Lys
 100 105 110
 Arg Lys Ser Glu Val Glu Arg Ala Val Lys Arg Met Arg His Leu Ser
 115 120 125
 Thr Gly Thr Met Thr Gly Leu Ala Ile Gln Tyr Ala Leu Asn Ile Ala
 130 135 140
 Phe Ser Glu Ala Glu Gly Ala Arg Pro Leu Arg Glu Asn Val Pro Arg
 145 150 155 160
 Val Ile Met Ile Val Thr Asp Gly Arg Pro Gln Asp Ser Val Ala Glu
 165 170 175
 Val Ala Ala Lys Ala Arg Asp Thr Gly Ile Leu Ile Phe Ala Ile Gly
 180 185 190
 Val Gly Gln Val Asp Phe Asn Thr Leu Lys Ser Ile Gly Ser Glu Pro
 195 200 205
 His Glu Asp His Val Phe Leu Val Ala Asn Phe Ser Gln Ile Glu Thr
 210 215 220
 Xaa Thr Ser Val Phe Gln Lys Lys Leu Cys Thr Ala His Met Cys Ser
 225 230 235 240
 Thr Leu Glu His Asn Cys Ala His Phe Cys Ile Asn Ile Pro Gly Ser
 245 250 255
 Tyr Val Cys Arg Cys Lys Gln Gly Tyr Ile Leu Asn Ser Asp Gln Thr
 260 265 270
 Thr Cys Arg Ile Gln Asp Leu Cys Ala Met Glu Asp His Asn Cys Glu
 275 280 285
 Gln Leu Cys Val Asn Val Pro Gly Ser Phe Val Cys Gln Cys Tyr Ser
 290 295 300
 Gly Tyr Ala Leu Ala Glu Asp Gly Lys Arg Cys Val Ala Val Asp Tyr
 305 310 315 320
 Cys Ala Ser Glu Asn His Gly Cys Glu His Glu Cys Val Asn Ala Asp
 325 330 335
 Gly Ser Tyr Leu Cys Gln Cys His Glu Gly Phe Ala Leu Asn Pro Asp
 340 345 350
 Glu Lys Thr Cys Thr Lys Ile Asp Tyr Cys Ala Ser Ser Asn His Gly
 355 360 365
 Cys Gln His Glu Cys Val Asn Thr Asp Asp Ser Tyr Ser Cys His Cys

370						375						380					
Leu	Lys	Gly	Phe	Thr	Leu	Asn	Pro	Asp	Lys	Lys	Thr	Cys	Arg	Arg	Ile		
385					390					395					400		
Asn	Tyr	Cys	Ala	Leu	Asn	Lys	Pro	Gly	Cys	Glu	His	Glu	Cys	Val	Asn		
				405					410					415			
Met	Glu	Glu	Ser	Tyr	Tyr	Cys	Arg	Cys	His	Arg	Gly	Tyr	Thr	Leu	Asp		
			420					425					430				
Pro	Asn	Gly	Lys	Thr	Cys	Ser	Arg	Val	Asp	His	Cys	Ala	Gln	Gln	Asp		
		435					440					445					
His	Gly	Cys	Glu	Gln	Leu	Cys	Leu	Asn	Thr	Glu	Asp	Ser	Phe	Val	Cys		
	450					455					460						
Gln	Cys	Ser	Glu	Gly	Phe	Leu	Ile	Asn	Glu	Asp	Leu	Lys	Thr	Cys	Ser		
465					470					475					480		
Arg	Val	Asp	Tyr	Cys	Leu	Leu	Ser	Asp	His	Gly	Cys	Glu	Tyr	Ser	Cys		
				485					490					495			
Val	Asn	Met	Asp	Arg	Ser	Phe	Ala	Cys	Gln	Cys	Pro	Glu	Gly	His	Val		
			500					505					510				
Leu	Arg	Ser	Asp	Gly	Lys	Thr	Cys	Ala	Lys	Leu	Asp	Ser	Cys	Ala	Leu		
		515					520					525					
Gly	Asp	His	Gly	Cys	Glu	His	Ser	Cys	Val	Ser	Ser	Glu	Asp	Ser	Phe		
	530					535					540						
Val	Cys	Gln	Cys	Phe	Glu	Gly	Tyr	Ile	Leu	Arg	Glu	Asp	Gly	Lys	Thr		
545					550					555					560		
Cys	Arg	Arg	Lys	Asp	Val	Cys	Gln	Ala	Ile	Asp	His	Gly	Cys	Glu	His		
				565					570					575			
Ile	Cys	Val	Asn	Ser	Asp	Asp	Ser	Tyr	Thr	Cys	Glu	Cys	Leu	Glu	Gly		
			580					585					590				
Phe	Arg	Leu	Xaa	Glu	Asp	Gly	Lys	Arg	Cys	Arg	Arg	Lys	Asp	Val	Cys		
		595					600					605					
Lys	Ser	Thr	His	His	Gly	Cys	Glu	His	Ile	Cys	Val	Asn	Asn	Gly	Asn		
	610					615					620						
Ser	Tyr	Ile	Cys	Lys	Cys	Ser	Glu	Gly	Phe	Val	Leu	Ala	Glu	Asp	Gly		
625					630					635					640		
Arg	Arg	Cys	Lys	Lys	Cys	Thr	Glu	Gly	Pro	Ile	Asp	Leu	Val	Phe	Val		
				645					650					655			

Ile	Asp	Gly	Ser	Lys	Ser	Leu	Gly	Glu	Glu	Asn	Phe	Glu	Val	Val	Lys		
			660					665					670				
Gln	Phe	Val	Thr	Gly	Ile	Ile	Asp	Ser	Leu	Thr	Ile	Ser	Pro	Lys	Ala		
		675					680					685					
Ala	Arg	Val	Gly	Leu	Leu	Gln	Tyr	Ser	Thr	Gln	Val	His	Thr	Glu	Phe		
	690					695					700						
Thr	Leu	Arg	Asn	Phe	Asn	Ser	Ala	Lys	Asp	Met	Lys	Lys	Ala	Val	Ala		
705					710					715					720		
His	Met	Lys	Tyr	Met	Gly	Lys	Gly	Ser	Met	Thr	Gly	Leu	Ala	Leu	Lys		
				725					730					735			
His	Met	Phe	Glu	Arg	Ser	Phe	Thr	Gln	Gly	Glu	Gly	Ala	Arg	Pro	Leu		
			740					745					750				
Ser	Thr	Arg	Val	Pro	Arg	Ala	Ala	Ile	Val	Phe	Thr	Asp	Gly	Arg	Ala		
		755					760					765					
Gln	Asp	Asp	Val	Ser	Glu	Trp	Ala	Ser	Lys	Ala	Lys	Ala	Asn	Gly	Ile		
	770					775					780						
Thr	Met	Tyr	Ala	Val	Gly	Val	Gly	Lys	Ala	Ile	Glu	Glu	Glu	Leu	Gln		
785					790					795					800		
Glu	Ile	Ala	Ser	Glu	Pro	Thr	Asn	Lys	His	Leu	Phe	Tyr	Ala	Glu	Asp		
				805					810					815			
Phe	Ser	Thr	Met	Asp	Glu	Ile	Ser	Glu	Lys	Leu	Lys	Lys	Gly	Ile	Cys		
			820					825					830				
Glu	Ala	Leu	Glu	Asp	Ser	Asp	Gly	Arg	Gln	Asp	Ser	Pro	Ala	Gly	Glu		
		835					840					845					
Leu	Pro	Lys	Xaa	Val	Gln	Gln	Pro	Thr	Val	Gln	His	Arg	Tyr	Leu	Phe		
	850					855					860						
Glu	Glu	Asp	Asn	Leu	Leu	Arg	Ser	Thr	Gln	Lys	Leu	Ser	His	Ser	Thr		
865					870					875					880		
Lys	Pro	Ser	Gly	Ser	Pro	Leu	Glu	Glu	Lys	His	Asp	Gln	Cys	Lys	Cys		
				885					890					895			
Glu	Asn	Leu	Ile	Met	Phe	Gln	Asn	Leu	Ala	Asn	Glu	Glu	Val	Arg	Lys		
		900						905					910				
Leu	Thr	Gln	Arg	Leu	Glu	Glu	Met	Thr	Gln	Arg	Met	Glu	Ala	Leu	Glu		
		915					920					925					

Asn Arg Leu Arg Tyr Arg
930

<210> 1292

<211> 794

<212> PRT

<213> Homo sapiens

<400> 1292

Met Leu Ala Gly Cys Phe Leu Leu Ile Leu Gly Gln Ile Val Leu Leu
1 5 10 15

Pro Ala Glu Ala Arg Glu Arg Ser Arg Gly Arg Ser Ile Ser Arg Gly
20 25 30

Arg His Ala Arg Thr His Pro Gln Thr Ala Leu Leu Glu Ser Ser Cys
35 40 45

Glu Asn Lys Arg Ala Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser
50 55 60

Val Asn Thr His Asp Tyr Ala Lys Val Lys Glu Phe Ile Val Asp Ile
65 70 75 80

Leu Gln Phe Leu Asp Ile Gly Pro Asp Val Thr Arg Val Gly Leu Leu
85 90 95

Gln Tyr Gly Ser Thr Val Lys Asn Glu Phe Ser Leu Lys Thr Phe Lys
100 105 110

Arg Lys Ser Glu Val Glu Arg Ala Val Lys Arg Met Arg His Leu Ser
115 120 125

Thr Gly Thr Met Thr Gly Leu Ala Ile Gln Tyr Ala Leu Asn Ile Ala
130 135 140

Phe Ser Glu Ala Glu Gly Ala Arg Pro Leu Arg Glu Asn Val Pro Arg
145 150 155 160

Val Ile Met Ile Val Thr Asp Gly Arg Pro Gln Asp Ser Val Ala Glu
165 170 175

Val Ala Ala Lys Ala Arg Asp Thr Gly Ile Leu Ile Phe Ala Ile Gly
180 185 190

Val Gly Gln Val Asp Phe Asn Thr Leu Lys Ser Ile Gly Ser Glu Pro
195 200 205

His Glu Asp His Val Phe Leu Val Ala Asn Phe Ser Gln Ile Glu Thr
210 215 220

Leu	Thr	Ser	Val	Phe	Gln	Lys	Lys	Leu	Cys	Thr	Ala	His	Met	Cys	Ser	225	230	235	240
Thr	Leu	Glu	His	Asn	Cys	Ala	His	Phe	Cys	Ile	Asn	Ile	Pro	Gly	Ser	245	250	255	
Tyr	Val	Cys	Arg	Cys	Lys	Gln	Gly	Tyr	Ile	Leu	Asn	Ser	Asp	Gln	Thr	260	265	270	
Thr	Cys	Arg	Ile	Gln	Asp	Leu	Cys	Ala	Met	Glu	Asp	His	Asn	Cys	Glu	275	280	285	
Gln	Leu	Cys	Val	Asn	Val	Pro	Gly	Ser	Phe	Val	Cys	Gln	Cys	Tyr	Ser	290	295	300	
Gly	Tyr	Ala	Leu	Ala	Glu	Asp	Gly	Lys	Arg	Cys	Val	Ala	Val	Asp	Tyr	305	310	315	320
Cys	Ala	Ser	Glu	Asn	His	Gly	Cys	Glu	His	Glu	Cys	Val	Asn	Ala	Asp	325	330	335	
Gly	Ser	Tyr	Leu	Cys	Gln	Cys	His	Glu	Gly	Phe	Ala	Leu	Asn	Pro	Asp	340	345	350	
Glu	Lys	Thr	Cys	Thr	Lys	Ile	Asp	Tyr	Cys	Ala	Ser	Ser	Asn	His	Gly	355	360	365	
Cys	Gln	His	Glu	Cys	Val	Asn	Thr	Asp	Asp	Ser	Tyr	Ser	Cys	His	Cys	370	375	380	
Leu	Lys	Gly	Phe	Thr	Leu	Asn	Pro	Asp	Lys	Lys	Thr	Cys	Arg	Arg	Ile	385	390	395	400
Asn	Tyr	Cys	Ala	Leu	Asn	Lys	Pro	Gly	Cys	Glu	His	Glu	Cys	Val	Asn	405	410	415	
Met	Glu	Glu	Ser	Tyr	Tyr	Cys	Arg	Cys	His	Arg	Gly	Tyr	Thr	Leu	Asp	420	425	430	
Pro	Asn	Gly	Lys	Thr	Cys	Ser	Arg	Val	Asp	His	Cys	Ala	Gln	Gln	Asp	435	440	445	
His	Gly	Cys	Glu	Gln	Leu	Cys	Leu	Asn	Thr	Glu	Asp	Ser	Phe	Val	Cys	450	455	460	
Gln	Cys	Ser	Glu	Gly	Phe	Leu	Ile	Asn	Glu	Asp	Leu	Lys	Thr	Cys	Ser	465	470	475	480
Arg	Val	Asp	Tyr	Cys	Leu	Leu	Ser	Asp	His	Gly	Cys	Glu	Tyr	Ser	Cys	485	490	495	

Val	Asn	Met	Asp	Arg	Ser	Phe	Ala	Cys	Gln	Cys	Pro	Glu	Gly	His	Val	
			500					505					510			
Leu	Arg	Ser	Asp	Gly	Lys	Thr	Cys	Ala	Lys	Leu	Asp	Ser	Cys	Ala	Leu	
		515					520				525					
Gly	Asp	His	Gly	Cys	Glu	His	Ser	Cys	Val	Ser	Ser	Glu	Asp	Ser	Phe	
	530					535					540					
Val	Cys	Gln	Cys	Phe	Glu	Gly	Tyr	Ile	Leu	Arg	Glu	Asp	Gly	Lys	Thr	
545					550					555					560	
Cys	Arg	Arg	Lys	Asp	Val	Cys	Gln	Ala	Ile	Asp	His	Gly	Cys	Glu	His	
				565					570					575		
Ile	Cys	Val	Asn	Ser	Asp	Asp	Ser	Tyr	Thr	Cys	Glu	Cys	Leu	Glu	Gly	
			580					585					590			
Phe	Arg	Leu	Ala	Glu	Asp	Gly	Lys	Arg	Cys	Arg	Arg	Lys	Asp	Val	Cys	
		595					600					605				
Lys	Ser	Thr	His	His	Gly	Cys	Glu	His	Ile	Cys	Val	Asn	Asn	Gly	Asn	
	610					615					620					
Ser	Tyr	Ile	Cys	Lys	Cys	Ser	Glu	Gly	Phe	Val	Leu	Ala	Glu	Asp	Gly	
625					630					635					640	
Arg	Arg	Cys	Lys	Lys	Cys	Thr	Glu	Gly	Pro	Ile	Asp	Leu	Val	Phe	Val	
				645					650					655		
Ile	Asp	Gly	Ser	Lys	Ser	Leu	Gly	Glu	Glu	Asn	Phe	Glu	Val	Val	Lys	
			660					665					670			
Gln	Phe	Val	Thr	Gly	Ile	Ile	Asp	Ser	Leu	Thr	Ile	Ser	Pro	Lys	Ala	
		675					680					685				
Ala	Arg	Val	Gly	Leu	Leu	Gln	Tyr	Ser	Thr	Gln	Val	His	Thr	Glu	Phe	
	690					695					700					
Thr	Leu	Arg	Asn	Phe	Asn	Ser	Ala	Lys	Asp	Met	Lys	Lys	Ala	Val	Ala	
705					710					715					720	
His	Met	Lys	Tyr	Met	Gly	Lys	Gly	Ser	Met	Thr	Gly	Leu	Ala	Leu	Lys	
				725					730					735		
His	Met	Phe	Glu	Arg	Ser	Phe	Thr	Gln	Gly	Glu	Gly	Ala	Arg	Pro	Leu	
			740					745					750			
Ser	Thr	Arg	Val	Pro	Arg	Ala	Ala	Ile	Val	Phe	Thr	Asp	Gly	Arg	Ala	
		755					760					765				
Gln	Asp	Asp	Val	Ser	Glu	Trp	Ala	Ser	Lys	Ala	Arg	Pro	Trp	Tyr	His	

770

775

780

Tyr Val Cys Cys Trp Gly Arg Lys Ser His
785 790

<210> 1293

<211> 39

<212> PRT

<213> Homo sapiens

<400> 1293

Met Arg Arg Pro Ala Ala Val Pro Leu Leu Leu Leu Leu Cys Phe Gly
1 5 10 15

Ser Gln Arg Ala Lys Ala Ala Thr Ala Cys Gly Arg Pro Arg Met Leu
20 25 30

Asn Arg Met Val Gly Gly Gln
35

<210> 1294

<211> 290

<212> PRT

<213> Homo sapiens

<400> 1294

Met Arg Arg Pro Ala Ala Val Pro Leu Leu Leu Leu Leu Cys Phe Gly
1 5 10 15

Ser Gln Arg Ala Lys Ala Ala Thr Ala Cys Gly Arg Pro Arg Met Leu
20 25 30

Asn Arg Met Val Gly Gly Gln Asp Thr Gln Glu Gly Glu Trp Pro Trp
35 40 45

Gln Val Ser Ile Gln Arg Asn Gly Ser His Phe Cys Gly Gly Ser Leu
50 55 60

Ile Ala Glu Gln Trp Val Leu Thr Ala Ala His Cys Phe Arg Asn Thr
65 70 75 80

Ser Glu Thr Ser Leu Tyr Gln Val Leu Leu Gly Ala Arg Gln Leu Val
85 90 95

Gln Pro Gly Pro His Ala Met Tyr Ala Arg Val Arg Gln Val Glu Ser
100 105 110

Asn Pro Leu Tyr Gln Gly Thr Ala Ser Ser Ala Asp Val Ala Leu Val

115		120		125											
Glu	Leu	Glu	Ala	Pro	Val	Pro	Phe	Thr	Asn	Tyr	Ile	Leu	Pro	Val	Cys
130						135					140				
Leu	Pro	Asp	Pro	Ser	Val	Ile	Phe	Glu	Thr	Gly	Met	Asn	Cys	Trp	Val
145					150					155					160
Thr	Gly	Trp	Gly	Ser	Pro	Ser	Glu	Glu	Asp	Leu	Leu	Pro	Glu	Pro	Arg
				165					170					175	
Ile	Leu	Gln	Lys	Leu	Ala	Val	Pro	Ile	Ile	Asp	Thr	Pro	Lys	Cys	Asn
			180					185					190		
Leu	Leu	Tyr	Ser	Lys	Asp	Thr	Glu	Phe	Gly	Tyr	Gln	Pro	Lys	Thr	Ile
		195					200					205			
Lys	Asn	Asp	Met	Leu	Cys	Ala	Gly	Phe	Glu	Glu	Gly	Lys	Lys	Asp	Ala
	210					215					220				
Cys	Lys	Gly	Asp	Ser	Gly	Gly	Pro	Leu	Val	Cys	Leu	Val	Gly	Gln	Ser
225					230					235					240
Trp	Leu	Gln	Ala	Gly	Val	Ile	Ser	Trp	Gly	Glu	Gly	Cys	Ala	Arg	Gln
				245					250					255	
Asn	Arg	Pro	Gly	Val	Tyr	Ile	Arg	Val	Thr	Ala	His	His	Asn	Trp	Ile
			260					265					270		
His	Arg	Ile	Ile	Pro	Lys	Leu	Gln	Phe	Gln	Pro	Ala	Arg	Leu	Gly	Gly
		275					280					285			
Gln	Lys														
	290														

<210> 1295

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (141)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1295
 Met Leu Leu Gly Val Gly Leu Val Val Leu Ala Leu Ile Ala Gly Trp
 1 5 10 15
 Val Leu Gln Gln Ala Asn Arg Ser Ala Gln Gln Leu Thr Ala Thr Gly
 20 25 30
 Gln Ser Leu Met Gln Ser Gln Arg Leu Ala Lys Ser Val Ser Gln Ala
 35 40 45
 Leu Val Gly Ser Pro Gln Ala Phe Pro Asp Val Val Glu Ser Ser Gly
 50 55 60
 Val Leu Ala Arg Asn Val Arg Ala Leu Asn Gly Gly Xaa Asn Glu Leu
 65 70 75 80
 Asp Val Gln Ala Leu Gly Glu Pro Phe Arg Pro Glu Leu Asp Ala Ile
 85 90 95
 Thr Pro Leu Val Glu Arg Ala Glu Arg Asn Ala Gly Val Val Met Gly
 100 105 110
 Gln Gln Lys Ile Leu Thr Gln Val Gly Xaa Ala Leu Arg Thr Ile Lys
 115 120 125
 Pro Pro Val Leu Gly Pro Cys Trp Arg Ser Arg Arg Xaa Ser Ser Ser
 130 135 140

<210> 1296
 <211> 187
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1296

Thr	Ser	Arg	Val	Trp	Cys	Pro	His	Val	Arg	Arg	Asn	Arg	Pro	Ser	Xaa
1				5					10					15	
Gln	Thr	Ala	Glu	Pro	Cys	Ala	Val	Asn	Trp	Lys	Ala	Cys	Lys	Ala	Thr
			20					25					30		
Val	Gly	Thr	Ile	Gly	His	Gly	Cys	Gly	Pro	Ala	Ile	Ala	Leu	Ala	Val
			35				40					45			
Ala	Gly	Ile	Phe	Val	Leu	Leu	Cys	Gly	Val	Gly	Ile	Ser	Arg	Val	Gln
	50					55					60				
Leu	Leu	Asp	Ser	Arg	Ser	Arg	Xaa	Ala	Thr	Ala	Glu	Ala	Gln	Gln	Arg
65					70					75					80
Asp	Ala	Lys	Arg	Gln	Glu	Gln	Glu	Ala	Lys	Arg	Ile	Asn	Asp	Ala	Asn
				85					90					95	
Gln	Ala	Ala	Ile	Leu	Arg	Leu	Met	Asn	Glu	Leu	Gln	Ser	Val	Ala	Glu
			100					105					110		
Gly	Asp	Leu	Thr	Gln	Glu	Ala	Thr	Val	Thr	Glu	Asp	Ile	Thr	Gly	Ala
		115					120					125			
Ile	Ala	Asp	Ser	Val	Asn	Tyr	Thr	Val	Glu	Glu	Ser	Ala	Ser	Trp	Trp
	130					135					140				
Ala	Thr	Cys	Arg	Thr	Pro	Arg	Pro	Gly	Trp	Pro	Arg	Pro	Pro	Arg	Arg
145					150					155					160
Trp	Thr	Ala	Pro	Leu	Arg	Asn	Cys	Trp	Arg	Leu	Arg	Pro	Ser	Ser	Cys
				165					170					175	
Val	Lys	Ser	Val	Lys	Arg	Ala	Val	Arg	Cys	Ser					
			180					185							

<210> 1297

<211> 346

<212> PRT

<213> Homo sapiens

<400> 1297

Met	Leu	Leu	Gly	Val	Gly	Leu	Val	Val	Leu	Ala	Leu	Ile	Ala	Gly	Trp
1					5				10					15	
Val	Leu	Gln	Gln	Ala	Asn	Arg	Ser	Ala	Gln	Gln	Leu	Thr	Ala	Thr	Gly
				20				25					30		

Gln Ser Leu Met Gln Ser Gln Arg Leu Ala Lys Ser Val Ser Gln Ala
 35 40 45
 Leu Val Gly Ser Pro Gln Ala Phe Pro Asp Val Val Glu Ser Ser Gly
 50 55 60
 Val Leu Ala Arg Asn Val Arg Ala Leu Asn Gly Gly Asp Asn Glu Leu
 65 70 75 80
 Asp Val Gln Ala Leu Gly Glu Pro Phe Arg Pro Glu Leu Asp Ala Ile
 85 90 95
 Thr Pro Leu Val Glu Arg Ala Glu Arg Asn Ala Gly Val Val Met Gly
 100 105 110
 Gln Gln Lys Ile Leu Thr Gln Val Gly Asp Ala Leu Arg Thr Ile Asn
 115 120 125
 Arg Gln Ser Ser Asp Leu Leu Glu Ile Ala Glu Thr Val Ser Ser Leu
 130 135 140
 Lys Leu Gln Gln Asn Ala Pro Ala Ser Glu Ile Ser Ala Ala Gly Gln
 145 150 155 160
 Leu Val Met Leu Thr Gln Arg Ile Gly Lys Ser Ala Asn Glu Phe Gln
 165 170 175
 Thr Thr Glu Gly Val Ser Pro Glu Ala Val Phe Leu Leu Gly Lys Asp
 180 185 190
 Leu Asn Ser Phe Lys Glu Ile Ala Arg Gly Met Leu Asp Gly Ser Ala
 195 200 205
 Asp Leu Arg Leu Ala Ala Thr Arg Asp Ala Gln Thr Arg Glu Gln Leu
 210 215 220
 Glu Ser Leu Ile Lys Leu Tyr Glu Gln Thr Arg Thr Gln Ala Gly Ala
 225 230 235 240
 Ile Leu Gly Asn Leu Gln Gly Leu Val Ser Ala Arg Glu Ala Gln Ser
 245 250 255
 Ala Ile Leu Ala Asp Ser Glu Pro Leu Arg Arg Gln Leu Glu Gly Leu
 260 265 270
 Gln Ser Lys Leu Ser Ala Gln Ser Gly Met Gly Ala Ala Ser Ser Leu
 275 280 285
 Arg Ser Pro Ser Pro Val Ser Ser Ser Cys Cys Ala Ala Trp Val Phe
 290 295 300
 Arg Ala Cys Ser Cys Trp Thr Ala Ala Ala Ala Lys Pro Arg Pro Lys

Ile Trp Phe Ala Tyr Ser Arg Gly His Phe Asp Arg Thr Lys Lys Gly
260 265 270

Thr Ser Ser Lys Lys Val Ile Tyr Ser Gln Pro Ser Ala Arg Ser Glu
275 280 285

Gly Glu Phe Lys Gln Thr Ser Ser Phe Leu Val
290 295

<210> 1302

<211> 136

<212> PRT

<213> Homo sapiens

<400> 1302

Ala Arg Ala Lys Pro Glu Arg Pro Ala Gly Trp Ala Glu Ser Val Leu
1 5 10 15

Glu Glu Asp Ala Ser Glu Leu Glu Pro Ala Phe Ser Arg Thr Val Gly
20 25 30

Thr Ile Gln His Cys Leu His Leu Thr Ser Val Tyr Thr His Phe Leu
35 40 45

Pro Gln Arg Gly Arg Pro Glu Val Thr Thr Met Pro Leu Gly Leu Gly
50 55 60

Met Thr Val Asp Tyr Ile Phe Phe Ser Ala Glu Ser Cys Glu Asn Gly
65 70 75 80

Asn Arg Thr Asp His Arg Leu Tyr Arg Asp Gly Thr Leu Lys Leu Leu
85 90 95

Gly Arg Leu Ser Leu Leu Ser Glu Glu Ile Leu Trp Ala Ala Asn Gly
100 105 110

Leu Pro Asn Pro Phe Cys Ser Ser Asp His Leu Cys Leu Leu Ala Ser
115 120 125

Phe Gly Met Glu Val Thr Ala Pro
130 135

<210> 1303

<211> 100

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1303
 Met Ile Ala Ser Cys Leu Cys Tyr Leu Leu Leu Pro Ala Thr Arg Leu
 1 5 10 15
 Phe Arg Ala Leu Ser Xaa Ala Phe Phe Thr Cys Arg Lys Asn Val Leu
 20 25 30
 Leu Ala Asn Ser Ser Ser Pro Gln Val Glu Gly Asp Phe Ala Met Ala
 35 40 45
 Pro Arg Gly Pro Glu Gln Glu Glu Cys Glu Gly Leu Leu Gln Gln Trp
 50 55 60
 Arg Glu Glu Gly Leu Ser Gln Val Leu Ser Thr Ala Ser Glu Gly Pro
 65 70 75 80
 Leu Ile Xaa Lys Gly Leu Ala Gln Ser Ser Leu Xaa Leu Leu Xaa Asp
 85 90 95
 Asn Pro Gly Glu
 100

<210> 1304
 <211> 670
 <212> PRT
 <213> Homo sapiens

<400> 1304
 Met Ile Ala Ser Cys Leu Cys Tyr Leu Leu Leu Pro Ala Thr Arg Leu
 1 5 10 15

Phe	Arg	Ala	Leu	Ser	Asp	Ala	Phe	Phe	Thr	Cys	Arg	Lys	Asn	Val	Leu			
			20					25					30					
Leu	Ala	Asn	Ser	Ser	Ser	Pro	Gln	Val	Glu	Gly	Asp	Phe	Ala	Met	Ala			
		35					40					45						
Pro	Arg	Gly	Pro	Glu	Gln	Glu	Glu	Cys	Glu	Gly	Leu	Leu	Gln	Gln	Trp			
	50					55					60							
Arg	Glu	Glu	Gly	Leu	Ser	Gln	Val	Leu	Ser	Thr	Ala	Ser	Glu	Gly	Pro			
65					70					75					80			
Leu	Ile	Asp	Lys	Gly	Leu	Ala	Gln	Ser	Ser	Leu	Ala	Leu	Leu	Met	Asp			
				85					90					95				
Asn	Pro	Gly	Glu	Glu	Asn	Ala	Ala	Ser	Glu	Asp	Arg	Trp	Ser	Ser	Arg			
		100						105					110					
Gln	Leu	Ser	Asp	Leu	Arg	Ala	Ala	Glu	Asn	Leu	Asp	Glu	Pro	Phe	Pro			
		115					120					125						
Glu	Met	Leu	Gly	Glu	Glu	Pro	Leu	Leu	Glu	Val	Glu	Gly	Val	Glu	Gly			
	130					135					140							
Ser	Met	Trp	Ala	Ala	Ile	Pro	Met	Gln	Ser	Glu	Pro	Gln	Tyr	Ala	Asp			
145					150					155					160			
Cys	Ala	Ala	Leu	Pro	Val	Gly	Ala	Leu	Ala	Thr	Glu	Gln	Trp	Glu	Glu			
				165					170					175				
Asp	Pro	Ala	Val	Leu	Ala	Trp	Ser	Ile	Ala	Pro	Glu	Pro	Val	Pro	Gln			
			180					185					190					
Glu	Glu	Ala	Ser	Ile	Trp	Pro	Phe	Glu	Gly	Leu	Gly	Gln	Leu	Gln	Pro			
		195					200					205						
Pro	Ala	Val	Glu	Ile	Pro	Tyr	His	Glu	Ile	Leu	Trp	Arg	Glu	Trp	Glu			
	210					215					220							
Asp	Phe	Ser	Thr	Gln	Pro	Asp	Ala	Gln	Gly	Leu	Lys	Ala	Gly	Asp	Gly			
225					230					235					240			
Pro	Gln	Phe	Gln	Phe	Thr	Leu	Met	Ser	Tyr	Asn	Ile	Leu	Ala	Gln	Asp			
				245					250					255				
Leu	Met	Gln	Gln	Ser	Ser	Glu	Leu	Tyr	Leu	His	Cys	His	Pro	Asp	Ile			
			260					265					270					
Leu	Asn	Trp	Asn	Tyr	Arg	Phe	Val	Asn	Leu	Met	Gln	Glu	Phe	Gln	His			
		275					280					285						

Trp Asp Pro Asp Ile Leu Cys Leu Gln Glu Val Gln Glu Asp His Tyr
 290 295 300
 Trp Glu Gln Leu Glu Pro Ser Leu Arg Met Met Gly Phe Thr Cys Phe
 305 310 315 320
 Tyr Lys Arg Arg Thr Gly Cys Lys Thr Asp Gly Cys Ala Val Cys Tyr
 325 330 335
 Lys Pro Thr Arg Phe Arg Leu Leu Cys Ala Ser Pro Val Glu Tyr Phe
 340 345 350
 Arg Pro Gly Leu Glu Leu Leu Asn Arg Asp Asn Val Gly Leu Val Leu
 355 360 365
 Leu Leu Gln Pro Leu Val Pro Glu Gly Leu Gly Gln Val Ser Val Ala
 370 375 380
 Pro Leu Cys Val Ala Asn Thr His Ile Leu Tyr Asn Pro Arg Arg Gly
 385 390 395 400
 Asp Val Lys Leu Ala Gln Met Ala Ile Leu Leu Ala Glu Val Asp Lys
 405 410 415
 Val Ala Arg Leu Ser Asp Gly Ser His Cys Pro Ile Ile Leu Cys Gly
 420 425 430
 Asp Leu Asn Ser Val Pro Asp Ser Pro Leu Tyr Asn Phe Ile Arg Asp
 435 440 445
 Gly Glu Leu Gln Tyr His Gly Met Pro Ala Trp Lys Val Ser Gly Gln
 450 455 460
 Glu Asp Phe Ser His Gln Leu Tyr Gln Arg Lys Leu Gln Ala Pro Leu
 465 470 475 480
 Trp Pro Ser Ser Leu Gly Ile Thr Asp Cys Cys Gln Tyr Val Thr Ser
 485 490 495
 Cys His Pro Lys Arg Ser Glu Arg Arg Lys Tyr Gly Arg Asp Phe Leu
 500 505 510
 Leu Arg Phe Arg Phe Cys Ser Ile Ala Cys Gln Arg Pro Val Gly Leu
 515 520 525
 Val Leu Met Glu Gly Val Thr Asp Thr Lys Pro Glu Arg Pro Ala Gly
 530 535 540
 Trp Ala Glu Ser Val Leu Glu Glu Asp Ala Ser Glu Leu Glu Pro Ala
 545 550 555 560
 Phe Ser Arg Thr Val Gly Thr Ile Gln His Cys Leu His Leu Thr Ser

				565						570						575			
Val	Tyr	Thr	His	Phe	Leu	Pro	Gln	Arg	Gly	Arg	Pro	Glu	Val	Thr	Thr				
			580					585					590						
Met	Pro	Leu	Gly	Leu	Gly	Met	Thr	Val	Asp	Tyr	Ile	Phe	Phe	Ser	Ala				
		595					600					605							
Glu	Ser	Cys	Glu	Asn	Gly	Asn	Arg	Thr	Asp	His	Arg	Leu	Tyr	Arg	Asp				
	610					615					620								
Gly	Thr	Leu	Lys	Leu	Leu	Gly	Arg	Leu	Ser	Leu	Leu	Ser	Glu	Glu	Ile				
625					630					635					640				
Leu	Trp	Ala	Ala	Asn	Gly	Leu	Pro	Asn	Pro	Phe	Cys	Ser	Ser	Asp	His				
				645					650					655					
Leu	Cys	Leu	Leu	Ala	Ser	Phe	Gly	Met	Glu	Val	Thr	Ala	Pro						
			660					665					670						

<210> 1305

<211> 228

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (164)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (167)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (200)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (206)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (221)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1305

Met Ala Ala Ala Gly Ser Val Lys Ala Ala Leu Gln Val Ala Glu Val
1 5 10 15

Leu Glu Ala Ile Val Ser Cys Cys Val Gly Pro Glu Gly Arg Gln Val
20 25 30

Leu Cys Thr Lys Pro Thr Gly Glu Val Leu Leu Ser Arg Asn Gly Gly
35 40 45

Arg Leu Leu Glu Ala Leu His Leu Glu His Pro Ile Ala Arg Met Ile
50 55 60

Val Asp Cys Val Ser Ser His Leu Lys Lys Thr Gly Asp Gly Ala Lys
65 70 75 80

Thr Phe Ile Ile Phe Leu Cys His Leu Leu Arg Gly Leu His Ala Ile
85 90 95

Thr Asp Arg Glu Lys Asp Pro Leu Met Cys Glu Asn Ile Gln Thr His
100 105 110

Gly Arg His Trp Lys Asn Cys Ser Arg Trp Lys Phe Ile Ser Gln Ala
115 120 125

Leu Leu Thr Phe Gln Thr Gln Ile Leu Asp Gly Ile Met Asp Gln Tyr
130 135 140

Leu Ser Arg His Phe Leu Ser Ile Phe Ser Ser Ala Lys Glu Arg Thr
145 150 155 160

Leu Cys Arg Xaa Ser Leu Xaa Leu Leu Leu Glu Ala Tyr Phe Cys Gly
165 170 175

Lys Val Gly Arg Asn Asn His Lys Phe Ile Ser Gln Leu Met Cys Asp
180 185 190

Tyr Phe Phe Lys Cys Met Thr Xaa Lys Ser Gly Ile Gly Xaa Phe Glu
195 200 205

Leu Gly Asp Asp His Phe Val Lys Leu Asn Val Gly Xaa Leu Ala Phe
210 215 220

Leu Phe Lys Phe
225

<210> 1306

<211> 170

<212> PRT

<213> Homo sapiens

<400> 1306

Met Ala Ala Ala Gly Ser Val Lys Ala Ala Leu Gln Val Ala Glu Val
1 5 10 15

Leu Glu Ala Ile Val Ser Cys Cys Val Gly Pro Glu Gly Arg Gln Val
20 25 30

Leu Cys Thr Lys Pro Thr Gly Glu Val Leu Leu Ser Arg Asn Gly Gly
35 40 45

Arg Leu Leu Glu Ala Leu His Leu Glu His Pro Ile Ala Arg Met Ile
50 55 60

Val Asp Cys Val Ser Ser His Leu Lys Lys Thr Gly Asp Gly Ala Lys
65 70 75 80

Thr Phe Ile Ile Phe Leu Cys His Leu Leu Arg Gly Leu His Ala Ile
85 90 95

Thr Asp Arg Glu Lys Asp Pro Leu Met Cys Glu Asn Ile Gln Thr His
100 105 110

Gly Arg His Trp Lys Asn Cys Ser Arg Trp Lys Phe Ile Ser Gln Ala
115 120 125

Leu Leu Thr Phe Gln Thr Gln Ile Leu Asp Gly Ile Met Asp Gln Tyr
130 135 140

Leu Ser Arg His Phe Leu Ser Ile Phe Ser Ser Ala Lys Glu Arg Thr
145 150 155 160

Leu Cys Arg Ser Ser Leu Glu Ser Val Ser
165 170

<210> 1307

<211> 149

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1307

Met Gly Ala Pro Leu Leu Ser Pro Gly Trp Gly Ala Gly Ala Ala Gly
1 5 10 15

Arg Arg Trp Trp Met Leu Leu Ala Pro Leu Leu Pro Ala Leu Leu Leu
20 25 30

Val Arg Pro Ala Gly Ala Leu Val Glu Gly Leu Tyr Cys Gly Thr Arg
35 40 45

Asp Cys Tyr Glu Val Leu Gly Val Ser Arg Ser Ala Gly Lys Ala Glu
50 55 60

Ile Ala Arg Ala Tyr Arg Gln Leu Ala Arg Arg Tyr His Pro Asp Arg
65 70 75 80

Tyr Arg Pro Gln Pro Gly Xaa Glu Gly Pro Gly Arg Thr Pro Xaa Ser
85 90 95

Ala Glu Glu Ala Phe Leu Leu Val Ala Thr Xaa Tyr Glu Thr Leu Lys
100 105 110

Asp Glu Glu Thr Arg Lys Asp Tyr Asp Tyr Met Leu Asp His Pro Glu
115 120 125

Glu Tyr Tyr Ser His Tyr Tyr His Tyr Tyr Ser Arg Arg Leu Ala Leu
130 135 140

Arg Trp Met Leu Glu
145

<210> 1308

<211> 360

<212> PRT

<213> Homo sapiens

<400> 1308

Met Gly Ala Pro Leu Leu Ser Pro Gly Trp Gly Ala Gly Ala Ala Gly
1 5 10 15

Arg Arg Trp Trp Met Leu Leu Ala Pro Leu Leu Pro Ala Leu Leu Leu
20 25 30

Val Arg Pro Ala Gly Ala Leu Val Glu Gly Leu Tyr Cys Gly Thr Arg
35 40 45

Asp	Cys	Tyr	Glu	Val	Leu	Gly	Val	Ser	Arg	Ser	Ala	Gly	Lys	Ala	Glu	50	55	60
Ile	Ala	Arg	Ala	Tyr	Arg	Gln	Leu	Ala	Arg	Arg	Tyr	His	Pro	Asp	Arg	65	70	75
Tyr	Arg	Pro	Gln	Pro	Gly	Asp	Glu	Gly	Pro	Gly	Arg	Thr	Pro	Gln	Ser	85	90	95
Ala	Glu	Glu	Ala	Phe	Leu	Leu	Val	Ala	Thr	Ala	Tyr	Glu	Thr	Leu	Lys	100	105	110
Asp	Glu	Glu	Thr	Arg	Lys	Asp	Tyr	Asp	Tyr	Met	Leu	Asp	His	Pro	Glu	115	120	125
Glu	Tyr	Tyr	Ser	His	Tyr	Tyr	His	Tyr	Tyr	Ser	Arg	Arg	Leu	Ala	Pro	130	135	140
Lys	Val	Asp	Val	Arg	Val	Val	Ile	Leu	Val	Ser	Val	Cys	Ala	Ile	Ser	145	150	155
Val	Phe	Gln	Phe	Phe	Ser	Trp	Trp	Asn	Ser	Tyr	Asn	Lys	Ala	Ile	Ser	165	170	175
Tyr	Leu	Ala	Thr	Val	Pro	Lys	Tyr	Arg	Ile	Gln	Ala	Thr	Glu	Ile	Ala	180	185	190
Lys	Gln	Gln	Gly	Leu	Leu	Lys	Lys	Ala	Lys	Glu	Lys	Gly	Lys	Asn	Lys	195	200	205
Lys	Ser	Lys	Glu	Glu	Ile	Arg	Asp	Glu	Glu	Glu	Asn	Ile	Ile	Lys	Asn	210	215	220
Ile	Ile	Lys	Ser	Lys	Ile	Asp	Ile	Lys	Gly	Gly	Tyr	Gln	Lys	Pro	Gln	225	230	235
Ile	Cys	Asp	Leu	Leu	Leu	Phe	Gln	Ile	Ile	Leu	Ala	Pro	Phe	His	Leu	245	250	255
Cys	Ser	Tyr	Ile	Val	Trp	Tyr	Cys	Arg	Trp	Ile	Tyr	Asn	Phe	Asn	Ile	260	265	270
Lys	Gly	Lys	Glu	Tyr	Gly	Glu	Glu	Glu	Arg	Leu	Tyr	Ile	Ile	Arg	Lys	275	280	285
Ser	Met	Lys	Met	Ser	Lys	Ser	Gln	Phe	Asp	Ser	Leu	Glu	Asp	His	Gln	290	295	300
Lys	Glu	Thr	Phe	Leu	Lys	Arg	Glu	Leu	Trp	Ile	Lys	Glu	Asn	Tyr	Glu	305	310	315

Val Tyr Lys Gln Glu Gln Glu Glu Glu Leu Lys Lys Lys Leu Ala Asn
325 330 335

Asp Pro Arg Trp Lys Arg Tyr Arg Arg Trp Met Lys Asn Glu Gly Pro
340 345 350

Gly Arg Leu Thr Phe Val Asp Asp
355 360

<210> 1309

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1309

Met Glu Ser His Leu Ser Thr Trp Pro Cys His Pro Ser Cys Cys Leu
1 5 10 15

Phe Leu Ile Leu Leu Phe Pro Ser His Pro Thr Ser Met Thr Lys Ser
20 25 30

Lys Ala Arg Leu Pro His Leu Glu Asn Cys Ser Gln Asn Asp Thr Ser
35 40 45

Lys Pro Leu Gly Gln Ala Arg Pro Pro Ser Ser Pro Thr Arg Thr Thr
50 55 60

Asp Leu Thr Thr Gly Pro Thr Ser Ser Pro Ala Pro Leu Gly Ile Leu
65 70 75 80

His Thr Ala Val Arg Val Thr His Leu His Thr Leu Thr Leu Met Gly
85 90 95

Glu Glu Lys Ala Val Phe Val Ala Arg Ala Gln Val Gly Asn Leu Gly
100 105 110

Leu Val Phe Arg Lys Ala Arg Gly Ser Xaa Phe Pro Thr Leu Gly Arg
115 120 125

<210> 1310

<211> 112
 <212> PRT
 <213> Homo sapiens

<400> 1310

Met	Glu	Ser	His	Leu	Ser	Thr	Trp	Pro	Cys	His	Pro	Ser	Cys	Cys	Leu
1				5					10					15	
Phe	Leu	Ile	Leu	Leu	Phe	Pro	Ser	His	Pro	Thr	Ser	Met	Thr	Lys	Ser
			20					25					30		
Lys	Ala	Arg	Leu	Pro	His	Leu	Glu	Asn	Cys	Ser	Gln	Asn	Asp	Thr	Ser
		35					40					45			
Lys	Pro	Leu	Gly	Gln	Ala	Arg	Pro	Pro	Ser	Ser	Pro	Thr	Arg	Thr	Thr
	50					55					60				
Asp	Leu	Thr	Thr	Gly	Pro	Thr	Ser	Ser	Pro	Ala	Pro	Leu	Gly	Ile	Leu
65					70					75					80
His	Thr	Ala	Val	Arg	Val	Thr	His	Leu	His	Thr	Leu	Thr	Leu	Met	Gly
				85					90					95	
Glu	Glu	Lys	Ala	Val	Phe	Val	Ala	Arg	Ala	Gln	Val	Gly	Thr	Leu	Ala
			100					105					110		

<210> 1311
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 1311

Met	Phe	Val	Ser	Val	Thr	Ala	Phe	Phe	Phe	Ser	Leu	Leu	Phe	Leu	Gly
1				5					10					15	
Met	Phe	Leu	Ser	Gly	Met	Val	Ala	Gln	Ile	Asp	Ala	Asn	Trp	Asn	Phe
			20					25					30		
Leu	Asp	Phe	Ala	Tyr	His	Phe	Thr	Val	Phe	Val	Phe	Tyr	Phe	Gly	Ala
		35					40					45			
Phe	Leu	Leu	Glu	Ala	Ala	Ala	Thr	Ser	Leu	His	Asp	Leu	His	Cys	Asn
	50					55					60				
Thr	Thr	Ile	Thr	Gly	Gln	Pro	Leu	Leu	Ser	Asp	Asn	Gln	Tyr	Asn	Ile
65					70					75					80

Asn Val Ala Ala Ser Ile Phe Ala Phe Met Thr Thr Ala Cys Tyr Gly
85 90 95

Cys Ser Leu Gly Leu Ala Leu Arg Arg Trp Arg Pro
100 105

<210> 1312
<211> 77
<212> PRT
<213> Homo sapiens

<400> 1312
Asn His Ile Gln His Lys Asn Tyr Phe Trp Leu Asn Ser Thr Glu Lys
1 5 10 15

Tyr Phe Asn Leu Pro Val Glu Ile Leu Val Met Glu Arg Cys Gln Thr
20 25 30

Val Leu Asn Gly Arg Thr Ser Lys Ser Glu Ala Thr Val Pro Thr Thr
35 40 45

Arg Gly Leu Leu Tyr Cys Ser Thr Phe Ser Ala Leu Tyr Phe Leu Ala
50 55 60

Glu Ala Ser Pro Trp Ser Ala Met Tyr Lys Leu Gly Tyr
65 70 75

<210> 1313
<211> 108
<212> PRT
<213> Homo sapiens

<400> 1313
Met Phe Val Ser Val Thr Ala Phe Phe Phe Ser Leu Leu Phe Leu Gly
1 5 10 15

Met Phe Leu Ser Gly Met Val Ala Gln Ile Asp Ala Asn Trp Asn Phe
20 25 30

Leu Asp Phe Ala Tyr His Phe Thr Val Phe Val Phe Tyr Phe Gly Ala
35 40 45

Phe Leu Leu Glu Ala Ala Ala Thr Ser Leu His Asp Leu His Cys Asn
50 55 60

Thr Thr Ile Thr Gly Gln Pro Leu Leu Ser Asp Asn Gln Tyr Asn Ile
65 70 75 80

Asn Val Ala Ala Ser Ile Phe Ala Phe Met Thr Thr Ala Trp Tyr Gly
85 90 95

Cys Ser Leu Gly Leu Ala Leu Arg Arg Trp Arg Pro
100 105

<210> 1314

<211> 176

<212> PRT

<213> Homo sapiens

<400> 1314

Met Ser Ala Gly Gly Ala Ser Val Pro Pro Pro Pro Asn Pro Ala Val
1 5 10 15

Ser Phe Pro Pro Pro Arg Val Thr Leu Pro Ala Gly Pro Asp Ile Leu
20 25 30

Arg Thr Tyr Ser Gly Ala Phe Val Cys Leu Glu Ile Leu Phe Gly Gly
35 40 45

Leu Val Trp Ile Leu Val Ala Ser Ser Asn Val Pro Leu Pro Leu Leu
50 55 60

Gln Gly Trp Val Met Phe Val Ser Val Thr Ala Phe Phe Phe Ser Leu
65 70 75 80

Leu Phe Leu Gly Met Phe Leu Ser Gly Met Val Ala Gln Ile Asp Ala
85 90 95

Asn Trp Asn Phe Leu Asp Phe Ala Tyr His Phe Thr Val Phe Val Phe
100 105 110

Tyr Phe Gly Ala Phe Leu Leu Glu Ala Ala Ala Thr Ser Leu His Asp
115 120 125

Leu His Cys Asn Thr Thr Ile Thr Gly Gln Pro Leu Leu Ser Asp Asn
130 135 140

Gln Tyr Asn Ile Asn Val Ala Ala Ser Ile Phe Ala Phe Met Thr Thr
145 150 155 160

Ala Cys Tyr Gly Cys Ser Leu Gly Leu Ala Leu Arg Arg Trp Arg Pro
165 170 175

<210> 1315
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 1315
 Met Pro Leu Cys Ser Leu Leu Thr Cys Leu Gly Leu Asn Val Leu Phe
 1 5 10 15
 Leu Thr Leu Asn Glu Gly Ala Trp Tyr Ser Val Gly Ala Leu Met Ile
 20 25 30
 Ser Val Pro Ala Leu Leu Gly Tyr Leu Gln Glu Val Cys Arg Ala Arg
 35 40 45
 Leu Pro Asp Ser Glu Leu Met Arg Arg Lys Tyr His Ser Val Arg Gln
 50 55 60
 Glu Asp Leu Gln Arg Val Arg Leu Ser Arg Pro Glu Ala Val Ala Glu
 65 70 75 80
 Val Lys Ser Phe Leu Ile Gln Leu Glu Ala Phe Leu Lys Pro Pro Val
 85 90 95
 Leu His Met Leu Lys Pro Pro
 100

<210> 1316
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 1316
 Met Pro Leu Cys Ser Leu Leu Thr Cys Leu Gly Leu Asn Val Leu Phe
 1 5 10 15
 Leu Thr Leu Asn Glu Gly Ala Trp Tyr Ser Val Gly Ala Leu Met Ile
 20 25 30
 Ser Val Pro Ala Leu Leu Gly Tyr Leu Gln Glu Val Cys Arg Ala Arg
 35 40 45
 Leu Pro Asp Ser Glu Leu Met Arg Arg Lys Tyr His Ser Val Arg Gln
 50 55 60
 Glu Asp Leu Gln Arg Val Arg Leu Ser Arg Pro Glu Ala Val Ala Glu
 65 70 75 80
 Val Lys Ser Phe Leu Ile Gln Leu Glu Ala Phe Leu Ser Arg Leu Cys
 85 90 95

Cys	Thr	Cys	Glu	Ala	Ala	Tyr	Arg	Val	Leu	His	Trp	Glu	Asn	Pro	Val
			100					105					110		
Val	Ser	Ser	Gln	Phe	Tyr	Gly	Ala	Leu	Leu	Gly	Thr	Val	Cys	Met	Leu
			115				120					125			
Tyr	Leu	Leu	Pro	Leu	Cys	Trp	Val	Leu	Thr	Leu	Leu	Asn	Ser	Thr	Leu
	130					135					140				
Phe	Leu	Gly	Asn	Val	Glu	Phe	Phe	Arg	Val	Val	Ser	Glu	Tyr	Arg	Ala
145					150					155					160
Ser	Leu	Gln	Gln	Arg	Met	Asn	Pro	Lys	Gln	Glu	Glu	His	Ala	Phe	Glu
				165					170					175	
Ser	Pro	Pro	Pro	Pro	Asp	Val	Gly	Gly	Lys	Asp	Gly	Leu	Met	Asp	Ser
			180					185					190		
Thr	Pro	Ala	Leu	Thr	Pro	Thr	Glu	Asp	Leu	Thr	Pro	Gly	Ser	Val	Glu
		195					200					205			
Glu	Ala	Glu	Glu	Ala	Glu	Pro	Asp	Glu	Glu	Phe	Lys	Asp	Ala	Ile	Asp
	210					215					220				
Glu	Asp	Asp	Glu	Gly	Ala	Pro	Cys	Pro	Ala	Leu	Phe	Leu			
225					230					235					

<210> 1317

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1317

Met	Ala	Arg	Leu	Gly	Ala	Val	Arg	Ser	His	Tyr	Cys	Ala	Leu	Leu	Leu
1				5					10				15		

Ala	Ala	Ala	Leu	Ala	Val	Cys	Ala	Phe	Tyr	Tyr	Leu	Gly	Ser	Gly	Arg
			20					25					30		

Glu	Thr	Phe	Ser	Ser	Ala	Thr	Lys	Arg	Leu	Lys	Glu	Ala	Arg	Ala	Gly
		35					40					45			

Ala	Pro	Ala	Ala	Pro	Xaa	Pro	Pro	Ala	Leu	Glu	Leu	Ala	Xaa	Gly	Xaa
	50					55					60				

Val	Ala	Pro	Ala	Pro	Gly	Ala	Lys	Ala	Lys	Ser	Leu	Glu	Gly	Gly	Gly
65					70					75					80

Ala	Gly	Pro	Val	Asp	Tyr	His	Leu	Leu	Met	Met	Phe	Thr	Lys	Ala	Xaa
				85					90					95	

His	Asn	Ala	Ala	Leu	Gln	Ala	Lys	Ala	Arg	Val	Ala	Leu	Arg	Ser	Leu
			100					105					110		

Leu	Arg	Leu	Ala	Lys	Phe	Glu	Ala	His	Glu	Val	Leu	Asn	Leu	His	Phe
		115					120					125			

Val	Ser	Glu	Glu	Ala	Ser	Arg	Glu	Val	Ala	Lys	Gly	Leu	Leu	Arg	Glu
	130					135					140				

Leu	Leu	Pro	Pro	Pro	Leu	Ala	Ser	Ser	Ala	Arg	Ser	Ser	Ser	Thr	Ile
145					150					155					160

Cys	Cys	Ala	Asp	Gly
				165

<210> 1318

<211> 159

<212> PRT

<213> Homo sapiens

<400> 1318

Ala	Ser	Lys	Arg	Met	Pro	Ala	His	His	Ile	Leu	Thr	Leu	Gly	Gly	Cys
1				5					10					15	

Cys	Thr	Arg	Ile	Leu	Leu	Met	Leu	Thr	Ser	Leu	Gly	Val	Gly	Phe	Arg
			20					25					30		

Ile Ala Ser Leu Arg Lys Asp Phe Arg Thr Asn Trp Gly Leu His Lys

	35		40		45											
Lys	Thr	Tyr	Leu	Ile	Ile	Arg	Val	Leu	Thr	Ala	Cys	Ile	Ser	Gln	Leu	
	50					55					60					
His	Pro	Arg	Thr	Pro	Leu	Ser	Phe	Ile	Pro	Pro	Asn	Gln	Leu	Gln	Val	
	65				70					75					80	
Thr	Arg	Leu	Tyr	Ser	Glu	Ser	Lys	Phe	Val	Ile	Lys	Glu	Gln	Arg	Leu	
				85					90					95		
Ala	Thr	Thr	Arg	Thr	Cys	Arg	Arg	Thr	Val	Gly	Thr	Arg	Lys	Thr	His	
			100					105					110			
Ser	Lys	Lys	Pro	Arg	Pro	Gly	Thr	Val	Val	Lys	Pro	Val	Ile	Pro	Thr	
		115					120					125				
Leu	Trp	Glu	Thr	Glu	Val	Gly	Val	Ser	Ile	Glu	Pro	Arg	Arg	Ser	Arg	
	130					135					140					
Ser	Ala	Trp	Glu	Thr	Gln	Gly	Gly	Pro	His	Arg	Tyr	Lys	Ile	Phe		
145					150					155						

<210> 1319

<211> 380

<212> PRT

<213> Homo sapiens

<400> 1319

Met	Ala	Arg	Leu	Gly	Ala	Val	Arg	Ser	His	Tyr	Cys	Ala	Leu	Leu	Leu	
1				5					10				15			
Ala	Ala	Ala	Leu	Ala	Val	Cys	Ala	Phe	Tyr	Tyr	Leu	Gly	Ser	Gly	Arg	
			20					25					30			
Glu	Thr	Phe	Ser	Ser	Ala	Thr	Lys	Arg	Leu	Lys	Glu	Ala	Arg	Ala	Gly	
		35					40					45				
Ala	Pro	Ala	Ala	Pro	Ser	Pro	Pro	Ala	Leu	Glu	Leu	Ala	Arg	Gly	Ser	
	50					55					60					
Val	Ala	Pro	Ala	Pro	Gly	Ala	Lys	Ala	Lys	Ser	Leu	Glu	Gly	Gly	Gly	
	65				70					75					80	
Ala	Gly	Pro	Val	Asp	Tyr	His	Leu	Leu	Met	Met	Phe	Thr	Lys	Ala	Glu	
				85					90					95		
His	Asn	Ala	Ala	Leu	Gln	Ala	Lys	Ala	Arg	Val	Ala	Leu	Arg	Ser	Leu	
		100						105					110			

Leu	Arg	Leu	Ala	Lys	Phe	Glu	Ala	His	Glu	Val	Leu	Asn	Leu	His	Phe	115	120	125
Val	Ser	Glu	Glu	Ala	Ser	Arg	Glu	Val	Ala	Lys	Gly	Leu	Leu	Arg	Glu	130	135	140
Leu	Leu	Pro	Pro	Ala	Ala	Gly	Phe	Lys	Cys	Lys	Val	Ile	Phe	His	Asp	145	150	155
Val	Ala	Val	Leu	Thr	Asp	Lys	Leu	Phe	Pro	Ile	Val	Glu	Ala	Met	Gln	165	170	175
Lys	His	Phe	Ser	Ala	Gly	Leu	Gly	Thr	Tyr	Tyr	Ser	Asp	Ser	Ile	Phe	180	185	190
Phe	Leu	Ser	Val	Ala	Met	His	Gln	Ile	Met	Pro	Lys	Glu	Ile	Leu	Gln	195	200	205
Ile	Ile	Gln	Leu	Asp	Leu	Asp	Leu	Lys	Phe	Lys	Thr	Asn	Ile	Arg	Glu	210	215	220
Leu	Phe	Glu	Glu	Phe	Asp	Ser	Phe	Leu	Pro	Gly	Ala	Ile	Ile	Gly	Ile	225	230	235
Ala	Arg	Glu	Met	Gln	Pro	Val	Tyr	Arg	His	Thr	Phe	Trp	Gln	Phe	Arg	245	250	255
His	Glu	Asn	Pro	Gln	Thr	Arg	Val	Gly	Gly	Pro	Pro	Pro	Glu	Gly	Leu	260	265	270
Pro	Gly	Phe	Asn	Ser	Gly	Val	Met	Leu	Leu	Asn	Leu	Glu	Ala	Met	Arg	275	280	285
Gln	Ser	Pro	Leu	Tyr	Ser	Arg	Leu	Leu	Glu	Pro	Ala	Gln	Val	Gln	Gln	290	295	300
Leu	Ala	Asp	Lys	Tyr	His	Phe	Arg	Gly	His	Leu	Gly	Asp	Gln	Asp	Phe	305	310	315
Phe	Thr	Met	Ile	Gly	Met	Glu	His	Pro	Lys	Leu	Phe	His	Val	Leu	Asp	325	330	335
Cys	Thr	Trp	Asn	Arg	Gln	Leu	Cys	Thr	Trp	Trp	Arg	Asp	His	Gly	Tyr	340	345	350
Ser	Asp	Val	Phe	Glu	Ala	Tyr	Phe	Arg	Cys	Glu	Gly	His	Val	Lys	Ile	355	360	365
Tyr	His	Gly	Asn	Cys	Asn	Thr	Pro	Ile	Pro	Glu	Asp					370	375	380

<210> 1320
<211> 73
<212> PRT
<213> Homo sapiens

<400> 1320
Leu Glu Ser Tyr Ser Ser Val Arg Glu Leu Leu Val Ser Val Arg Phe
1 5 10 15
Tyr Val Val Cys Lys Val Arg Gly Ser Val Leu Phe Pro Tyr Leu Gly
20 25 30
Lys Ser Thr Ala Gly Val Glu Gly Leu Tyr Val Pro Phe Asn Val Thr
35 40 45
Val Leu Lys Asp Leu Ser Arg Glu Ser Glu Ser Phe Ala Glu Cys Asp
50 55 60
Arg Arg Leu Asn Asn Leu Ile Cys Phe
65 70

<210> 1321
<211> 95
<212> PRT
<213> Homo sapiens

<400> 1321
Met Ala Ala Ser Arg Trp Ala Arg Lys Ala Val Val Leu Leu Cys Ala
1 5 10 15
Ser Asp Leu Leu Leu Leu Leu Leu Leu Leu Pro Pro Pro Gly Ser Cys
20 25 30
Ala Ala Glu Ala Arg Pro Gly Arg Pro Thr Ser Leu Pro His Leu Pro
35 40 45
Gly Arg Arg Arg Arg Ile Phe Ala Ile Thr Met Met Gln Thr Trp Arg
50 55 60
Val Phe Trp Ser Asn Gly Arg Lys Met Met Thr Leu Lys Lys Glu Ile
65 70 75 80
Phe Gln Ser Thr Arg Asp Leu Gln His Leu Ser Thr Ser Gln Arg
85 90 95

<210> 1322
<211> 234

<212> PRT

<213> Homo sapiens

<400> 1322

Met	Ala	Ala	Ser	Arg	Trp	Ala	Arg	Lys	Ala	Val	Val	Leu	Leu	Cys	Ala	
1				5					10					15		
Ser	Asp	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Pro	Pro	Pro	Gly	Ser	Cys	
			20					25					30			
Ala	Ala	Glu	Gly	Ser	Pro	Gly	Thr	Pro	Asp	Glu	Ser	Thr	Pro	Pro	Pro	
		35					40					45				
Arg	Lys	Lys	Lys	Lys	Asp	Ile	Arg	Asp	Tyr	Asn	Asp	Ala	Asp	Met	Ala	
	50					55					60					
Arg	Leu	Leu	Glu	Gln	Trp	Glu	Lys	Asp	Asp	Asp	Ile	Glu	Glu	Gly	Asp	
65					70					75					80	
Leu	Pro	Glu	His	Lys	Arg	Pro	Ser	Ala	Pro	Val	Asp	Phe	Ser	Lys	Ile	
				85					90					95		
Asp	Pro	Ser	Lys	Pro	Glu	Ser	Ile	Leu	Lys	Met	Thr	Lys	Lys	Gly	Lys	
			100					105						110		
Thr	Leu	Met	Met	Phe	Val	Thr	Val	Ser	Gly	Ser	Pro	Thr	Glu	Lys	Glu	
		115					120					125				
Thr	Glu	Glu	Ile	Thr	Ser	Leu	Trp	Gln	Gly	Ser	Leu	Phe	Asn	Ala	Asn	
	130					135						140				
Tyr	Asp	Val	Gln	Arg	Phe	Ile	Val	Gly	Ser	Asp	Arg	Ala	Ile	Phe	Met	
145					150					155					160	
Leu	Arg	Asp	Gly	Ser	Tyr	Ala	Trp	Glu	Ile	Lys	Asp	Phe	Leu	Val	Gly	
				165					170					175		
Gln	Asp	Arg	Cys	Ala	Asp	Val	Thr	Leu	Glu	Gly	Gln	Val	Tyr	Pro	Gly	
			180					185					190			
Lys	Gly	Gly	Gly	Ser	Lys	Glu	Lys	Asn	Lys	Thr	Lys	Gln	Asp	Lys	Gly	
		195					200					205				
Lys	Lys	Lys	Lys	Glu	Gly	Asp	Leu	Lys	Ser	Arg	Ser	Ser	Lys	Glu	Glu	
	210					215					220					
Asn	Arg	Ala	Gly	Asn	Lys	Arg	Glu	Asp	Leu							
225					230											

<210> 1323

<211> 15
<212> PRT
<213> Homo sapiens

<400> 1323
Asn Ala Thr Lys Ser Gln Pro Cys Leu Ser Ser Leu Leu Leu Phe
1 5 10 15

<210> 1324
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1324
Lys Tyr Xaa Lys His Pro Ser Lys Ser Phe Glu Leu Thr Leu Val Leu
1 5 10 15

Arg Lys Leu Ser Leu His Asn Gln Pro Pro Gly Lys Thr Glu Cys His
20 25 30

Leu Leu Lys Ser Lys Cys Cys Val Ile Ile Thr Leu Gln Thr Lys Trp
35 40 45

Arg Tyr Tyr Leu Phe Cys Lys Gln Gln Thr Lys Gln Asn Ser
50 55 60

<210> 1325
<211> 15
<212> PRT
<213> Homo sapiens

<400> 1325
Asn Ala Thr Lys Ser Gln Pro Cys Leu Ser Ser Leu Leu Leu Phe
1 5 10 15

<210> 1326
<211> 228
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (170)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (195)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (205)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (209)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (214)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1326
 Met Val Pro Asn Trp Ile Gln Gly Arg Trp Asp Val Leu Leu Cys Val
 1 5 10 15

Leu Thr Val Gly Val Leu Pro Ser Ile Gly Ser Arg Gly Gly Trp Phe
 20 25 30

Gly Thr Gln Val Pro Cys Leu Ile Pro Gly Ala Leu Ala Ser Leu His
 35 40 45

Arg Gly Thr Ala Leu Gln Leu Ser Tyr Pro Phe Ser Met Ala Gly Arg
 50 55 60

Thr Ala Glu Arg Pro Cys Ser Met Thr Asn His Ser Phe His Leu Leu
 65 70 75 80

Ser Ile Tyr Trp Glu Leu Gly Thr Val Leu Ser Xaa Lys Arg Val Leu
 85 90 95

Thr His Leu Leu Gln Gln Pro Gly Lys Ala Gly Ser Ser Val Ser Pro
 100 105 110
 Cys Ser Lys Leu Gly Asp Leu Glu His Arg Arg Ser Ser Ala Trp Leu
 115 120 125
 Lys Ala His Ser Ser Xaa Val Gln Ile Leu Cys Pro Ser Trp His Pro
 130 135 140
 Ser Leu Gly Gly Ser Gly Val Gly Ser Leu Gln Ser Val Pro Gly Gly
 145 150 155 160
 Trp Met Thr Lys Leu Gln Pro Ser Arg Xaa Pro Thr Ile Ser Ile Ala
 165 170 175
 Gln Trp Ser Gln Lys Glu Thr Asp His Phe Thr Asp Gln Arg Asn Lys
 180 185 190
 Gly Ala Xaa Leu Leu Asn Pro Gly Ala Ser Asp Arg Xaa Lys Pro Glu
 195 200 205
 Xaa Arg Thr Lys Lys Xaa Pro Val Asn Ser Glu Pro Gly Glu Thr Leu
 210 215 220
 Pro Phe Thr Asn
 225

<210> 1327
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 1327
 Asp Asn Phe Leu Leu Gly Val Ala Trp Phe Phe Arg Gly Arg Gly Ser
 1 5 10 15
 Ala His Val Gly Val Val Ser Arg Gln Lys Gln Trp Glu Glu Gly Thr
 20 25 30
 Ala Lys His Ala Ala Trp Asp Tyr Gly Cys Pro Gln Ser Cys Ser Phe
 35 40 45
 Ser Lys Gly Val Phe Cys Leu Phe Leu Arg Gln Gly His Thr Leu Ser
 50 55 60
 Pro Arg Met Glu Cys Ser Gly Pro Ile Leu Ala His Cys Asn Leu Glu
 65 70 75 80
 Leu Leu Gly Ser

<210> 1328

<211> 174

<212> PRT

<213> Homo sapiens

<400> 1328

Met	Val	Pro	Asn	Trp	Ile	Gln	Gly	Arg	Trp	Asp	Val	Leu	Leu	Cys	Val
1				5					10					15	
Leu	Thr	Val	Gly	Val	Leu	Pro	Ser	Ile	Gly	Ser	Arg	Gly	Gly	Trp	Phe
			20					25					30		
Gly	Thr	Gln	Val	Pro	Cys	Leu	Ile	Pro	Gly	Ala	Leu	Ala	Ser	Leu	His
		35					40					45			
Arg	Gly	Thr	Ala	Leu	Gln	Leu	Ser	Tyr	Pro	Phe	Ser	Met	Ala	Gly	Arg
	50					55					60				
Thr	Ala	Glu	Arg	Pro	Cys	Ser	Met	Thr	Asn	His	Ser	Phe	His	Leu	Leu
65					70				75					80	
Ser	Ile	Tyr	Trp	Glu	Leu	Gly	Thr	Val	Leu	Ser	Val	Lys	Arg	Val	Leu
				85					90					95	
Thr	His	Leu	Leu	Gln	Gln	Pro	Gly	Lys	Ala	Gly	Ser	Ser	Val	Ser	Pro
			100					105					110		
Cys	Ser	Lys	Leu	Gly	Asp	Leu	Glu	His	Arg	Arg	Ser	Ser	Ala	Trp	Leu
		115					120					125			
Lys	Ala	His	Ser	Ser	Glu	Val	Gln	Ile	Leu	Cys	Pro	Ser	Trp	His	Pro
	130					135					140				
Ser	Leu	Gly	Gly	Ser	Gly	Val	Gly	Ser	Leu	Gln	Ser	Val	Pro	Gly	Gly
145					150					155					160
Trp	Met	Thr	Ser	Cys	Ser	Leu	Pro	Ala	Thr	Pro	Arg	Phe	Pro		
				165					170						

<210> 1329

<211> 115

<212> PRT

<213> Homo sapiens

<400> 1329

Met	Val	Pro	Asn	Trp	Ile	Gln	Gly	Arg	Trp	Asp	Val	Leu	Leu	Cys	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1	5	10	15
Leu Thr Val Gly Val Leu Pro Ser Ile Gly Ser Arg Gly Gly Trp Phe	20	25	30
Gly Thr Gln Val Pro Cys Leu Ile Pro Gly Ala Leu Ala Ser Leu His	35	40	45
Arg Gly Thr Ala Leu Gln Leu Ser Tyr Pro Phe Ser Met Ala Gly Arg	50	55	60
Thr Ala Glu Arg Pro Cys Ser Met Thr Asn His Ser Phe His Leu Leu	65	70	75
Ser Ile Tyr Trp Glu Leu Gly Thr Val Leu Ser Val Lys Arg Val Leu	85	90	95
Thr His Leu Leu Gln Gln Pro Gly Lys Ala Val Leu Pro Leu Ala Pro	100	105	110
Ala Gln Ser	115		

<210> 1330
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1330
Met Glu Asn Gln Met Leu Thr Cys Val Ala Ile Phe Val Leu Phe Cys
1 5 10 15
Phe Val Leu Phe Leu Arg Gln Gly Leu Ala Leu Ser Pro Arg Leu Glu
20 25 30
Cys Ser Gly Met Ile Arg Ala Tyr Cys Ser Leu Thr Leu Asp Phe Leu
35 40 45
Gly Ser Ser Asn Pro Xaa Thr Xaa Ala Pro Lys
50 55

<210> 1331
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1331
 Met Glu Asn Gln Met Leu Thr Cys Val Ala Ile Phe Val Leu Phe Cys
 1 5 10 15
 Phe Val Leu Phe Leu Arg Gln Gly Leu Ala Leu Ser Pro Arg Leu Glu
 20 25 30
 Cys Ser Gly Met Ile Arg Ala Tyr Cys Ser Leu Thr Leu Asp Phe Leu
 35 40 45
 Gly Ser Ser Asn Pro Pro Thr Ser Ala Pro Lys
 50 55

<210> 1332
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 1332
 Gly Ser Phe Leu Ser Pro Trp Gly Pro Ile Leu Trp Gly Leu Gly Ala
 1 5 10 15
 Gly Val Leu Met Gly Asp Ala Leu Gln Gly Arg Glu Gly Arg Met Gln
 20 25 30
 Ala Thr Val Gly Ala Gly Pro Glu Gly Ser Glu Thr Val Ala Val Gln
 35 40 45
 Val Cys Val Ile Arg Glu Ala Val Val Gly Glu Glu Val Ser Asp Cys
 50 55 60
 Val Ala Pro Leu Cys Gly Val Gly Gly Gln Gly Gly Ala Ala Lys Glu
 65 70 75 80
 Ala Arg Lys Met Gly Gly Gly Trp Asp Gly Leu Gly Ser His Ile His
 85 90 95
 Val Leu Asp Phe
 100

<210> 1333
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1333
 Met Leu Ile Leu Gly Ser Met Phe Ser Leu Val Glu Pro Val Leu Thr
 1 5 10 15
 Ile Ala Ala Ala Leu Ser Val Gln Ser Pro Phe Thr Arg Ser Ala Gln
 20 25 30
 Ser Ser Pro Glu Cys Ala Ala Ala Arg Arg Pro Leu Glu Ser Asp Gln
 35 40 45
 Gly Asp Pro Phe Thr Leu Phe Asn Val Phe Asn Ala Trp Val Gln Val
 50 55 60
 Lys Ser Glu Arg Ser Arg Asn Ser Arg Lys Trp Cys Arg Arg Arg Gly
 65 70 75 80
 Ile Glu Glu His Arg Leu Tyr Glu Met Ala Asn Phe Gly Ala Ser Ser
 85 90 95
 Arg Thr Val

<210> 1334
 <211> 163
 <212> PRT
 <213> Homo sapiens

<400> 1334
 Ala Leu Ala Arg Ala Ser Arg Thr Asp Asp Leu His Pro Leu Ala Leu
 1 5 10 15
 Ala Gly Ala Thr His Arg Pro Cys Pro Glu Asp Gln Glu Pro Lys Ala
 20 25 30
 Gly Arg Ala Trp Ser Ala Thr Ser Phe Cys Leu Pro Val Pro Cys Gly
 35 40 45
 Val Ser Val Leu Leu Ser Leu Ser Leu Phe Leu Ser Leu Cys Gly Tyr
 50 55 60
 Val Ser Cys Tyr Phe Ser Leu Ser Cys Ser Tyr Leu Cys Leu Gly His
 65 70 75 80
 Leu His Pro Val Val Thr Gln Gly Cys His Thr Leu Gly Phe Ser Gly
 85 90 95

Gly Asp Ser Thr Gly Ala Thr Cys Leu His Pro Arg Leu Ala Val Ser
 100 105 110
 Ala Cys Gln Ser Pro Cys Leu Ser Leu Cys Leu Ser Leu Cys Leu Ser
 115 120 125
 His Trp Gln Gly Cys Gly Val Lys Thr Asp Leu Cys Ile Phe Ile Asn
 130 135 140
 Leu Gly Gly Leu Pro Gly Gly Gly Lys Thr Gly Phe Ser Lys Gly Gln
 145 150 155 160
 Glu Arg Thr

<210> 1335
 <211> 552
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (142)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1335
 Met Leu Ile Leu Gly Ser Met Phe Ser Leu Val Glu Pro Val Leu Thr
 1 5 10 15
 Ile Ala Ala Ala Leu Ser Val Gln Ser Pro Phe Thr Arg Ser Ala Gln
 20 25 30
 Ser Ser Pro Glu Cys Ala Ala Ala Arg Arg Pro Leu Glu Ser Asp Gln
 35 40 45
 Gly Asp Pro Phe Thr Leu Phe Asn Val Phe Asn Ala Trp Val Gln Val
 50 55 60
 Lys Ser Glu Arg Ser Arg Asn Ser Arg Lys Trp Cys Arg Arg Arg Gly
 65 70 75 80
 Ile Glu Glu His Arg Leu Tyr Glu Met Ala Asn Leu Arg Arg Gln Phe
 85 90 95
 Lys Glu Leu Leu Glu Asp His Gly Leu Leu Ala Gly Ala Gln Ala Ala
 100 105 110
 Gln Val Gly Asp Ser Tyr Ser Arg Leu Gln Gln Arg Arg Glu Arg Arg
 115 120 125

Ala	Leu	His	Gln	Leu	Lys	Arg	Gln	His	Glu	Glu	Gly	Ala	Xaa	Cys	Arg	
130						135					140					
Arg	Lys	Val	Leu	Arg	Leu	Gln	Glu	Glu	Gln	Asp	Gly	Gly	Ser	Ser	Asp	
145					150					155					160	
Glu	Asp	Arg	Ala	Gly	Pro	Ala	Pro	Pro	Gly	Ala	Ser	Asp	Gly	Val	Asp	
				165					170					175		
Ile	Gln	Asp	Val	Lys	Phe	Lys	Leu	Arg	His	Asp	Leu	Ala	Gln	Leu	Gln	
			180					185					190			
Ala	Ala	Ala	Ser	Ser	Ala	Gln	Asp	Leu	Ser	Arg	Glu	Gln	Leu	Ala	Leu	
		195					200					205				
Leu	Lys	Leu	Val	Leu	Gly	Arg	Gly	Leu	Tyr	Pro	Gln	Leu	Ala	Val	Pro	
	210					215					220					
Asp	Ala	Phe	Asn	Ser	Ser	Arg	Lys	Asp	Ser	Asp	Gln	Ile	Phe	His	Thr	
225					230					235					240	
Gln	Ala	Lys	Gln	Gly	Ala	Val	Leu	His	Pro	Thr	Cys	Val	Phe	Ala	Gly	
				245					250					255		
Ser	Pro	Glu	Val	Leu	His	Ala	Gln	Glu	Leu	Glu	Ala	Ser	Asn	Cys	Asp	
			260					265					270			
Gly	Ser	Arg	Asp	Asp	Lys	Asp	Lys	Met	Ser	Ser	Lys	His	Gln	Leu	Leu	
		275					280					285				
Ser	Phe	Val	Ser	Leu	Leu	Glu	Thr	Asn	Lys	Pro	Tyr	Leu	Val	Asn	Cys	
	290					295					300					
Val	Arg	Ile	Pro	Ala	Leu	Gln	Ser	Leu	Leu	Leu	Phe	Ser	Arg	Ser	Leu	
305					310					315					320	
Asp	Thr	Asn	Gly	Asp	Cys	Ser	Arg	Leu	Val	Ala	Asp	Gly	Trp	Leu	Glu	
				325					330					335		
Leu	Gln	Leu	Ala	Asp	Ser	Glu	Ser	Ala	Ile	Arg	Leu	Leu	Ala	Ala	Ser	
			340					345					350			
Leu	Arg	Leu	Arg	Ala	Arg	Trp	Glu	Ser	Ala	Leu	Asp	Arg	Gln	Leu	Ala	
		355					360					365				
His	Gln	Ala	Gln	Gln	Gln	Leu	Glu	Glu	Glu	Glu	Glu	Asp	Thr	Pro	Val	
	370					375					380					
Ser	Pro	Lys	Glu	Val	Ala	Thr	Leu	Ser	Lys	Glu	Leu	Leu	Gln	Phe	Thr	
385					390					395					400	

Ala Ser Lys Ile Pro Tyr Ser Leu Arg Arg Leu Thr Gly Leu Glu Val
 405 410 415
 Gln Asn Met Tyr Val Gly Pro Gln Thr Ile Pro Ala Thr Pro His Leu
 420 425 430
 Pro Gly Leu Phe Gly Ser Ser Thr Leu Ser Pro His Pro Thr Lys Gly
 435 440 445
 Gly Tyr Ala Val Thr Asp Phe Leu Thr Tyr Asn Cys Leu Thr Asn Asp
 450 455 460
 Thr Asp Leu Tyr Ser Asp Cys Leu Arg Thr Phe Trp Thr Cys Pro His
 465 470 475 480
 Cys Gly Leu His Ala Pro Leu Thr Pro Leu Glu Arg Ile Ala His Glu
 485 490 495
 Asn Thr Cys Pro Gln Ala Pro Gln Asp Gly Pro Pro Gly Ala Glu Glu
 500 505 510
 Ala Ala Leu Glu Thr Leu Gln Lys Thr Ser Val Leu Gln Arg Pro Tyr
 515 520 525
 His Cys Glu Ala Cys Gly Lys Asp Phe Leu Phe Thr Pro Thr Glu Val
 530 535 540
 Leu Arg His Arg Lys Gln His Val
 545 550

<210> 1336

<211> 78

<212> PRT

<213> Homo sapiens

<400> 1336

Met Ser Leu Tyr Gly Thr Arg Trp Arg Ile Ser Trp Pro His Trp Arg
 1 5 10 15
 Arg Val Val Leu Val Ser Leu Leu Ser Ser Ser Gly Gly Gln Ile Ser
 20 25 30
 Pro Ser Leu Ser His His Leu Pro Cys Ser Asp Phe Phe Glu Leu Glu
 35 40 45
 Thr Ser Leu Ala Leu Phe Trp Leu Thr Thr Leu Val Pro Ser Ile Thr
 50 55 60
 Asn Ile Thr Arg Val Phe Thr Thr Leu Leu Arg Thr Leu Met
 65 70 75

<210> 1337
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 1337
 Met Ser Leu Tyr Gly Thr Arg Trp Arg Ile Ser Trp Pro His Trp Arg
 1 5 10 15
 Arg Val Val Leu Val Ser Leu Leu Ser Ser Ser Gly Gly Gln Ile Ser
 20 25 30
 Pro Ser Leu Ser His His Leu Pro Cys Ser Asp Phe Phe Glu Leu Glu
 35 40 45
 Thr Ser Leu Ala Leu Phe Trp Leu Thr Thr Leu Val Pro Ser Ile Thr
 50 55 60
 Asn Ile Thr Arg Val Phe Thr Thr Leu Leu Arg Thr Leu Met
 65 70 75

<210> 1338
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 1338
 Met Gly Cys Leu Trp Gly Leu Ala Leu Pro Leu Phe Phe Phe Cys Trp
 1 5 10 15
 Glu Val Gly Val Ser Gly Ser Ser Ala Gly Pro Ser Thr Arg Arg Ala
 20 25 30
 Asp Thr Ala Met Thr Thr Asp Asp Thr Glu Val Pro Ala Met Thr Leu
 35 40 45
 Ala Pro Gly His Ala Ala Leu Glu Thr Gln Thr Leu Ser Ala Glu Thr
 50 55 60
 Ser Ser Arg Ala Ser Thr Pro Ala Gly Pro Ile Pro Glu Ala Glu Thr
 65 70 75 80
 Arg Gly Ala Lys Arg Ile Ser Pro Ala Arg Glu Thr Arg Ser Phe Thr
 85 90 95
 Lys Thr Ser Pro Asn Phe Met Val Leu Ile Ala Thr Ser Val Glu Thr
 100 105 110

Ser Ala Ala Ser Gly Ser Pro Glu Gly Ala Arg Met Thr Thr Val Gln
115 120 125

Thr Ile Thr Gly Ser Asp Pro Arg Lys Pro Ser Leu Thr Pro Phe Ala
130 135 140

Pro Met Thr Ala Leu Lys Arg Gln Arg His Ser Gln Trp Thr Tyr
145 150 155

<210> 1339
<211> 149
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1339
Met Gly Cys Leu Trp Gly Leu Ala Leu Pro Leu Phe Phe Phe Cys Trp
1 5 10 15

Glu Val Gly Val Ser Gly Ser Ser Ala Gly Pro Ser Thr Arg Arg Ala
20 25 30

Asp Thr Ala Met Thr Thr Asp Asp Thr Glu Val Pro Ala Met Thr Leu
35 40 45

Ala Pro Gly His Ala Ala Leu Glu Thr Gln Thr Leu Ser Ala Glu Thr
50 55 60

Ser Ser Arg Ala Ser Thr Pro Ala Gly Pro Ile Pro Glu Ala Glu Thr
65 70 75 80

Arg Gly Ala Lys Arg Ile Ser Pro Ala Arg Glu Thr Arg Ser Phe Thr
85 90 95

Lys Thr Ser Pro Asn Phe Met Val Leu Ile Ala Thr Ser Val Glu Thr

	100		105		110										
Ser	Xaa	Ala	Ser	Gly	Ser	Pro	Glu	Gly	Ala	Xaa	Met	Thr	Thr	Val	Gln
	115						120					125			
Thr	Ile	Thr	Gly	Ser	Asp	Pro	Arg	Glu	Ala	Ile	Phe	Asp	Thr	Leu	Xaa
	130					135					140				
Thr	Asp	Asp	Ser	Ser											
145															

<210> 1340

<211> 595

<212> PRT

<213> Homo sapiens

<400> 1340

Met	Gly	Cys	Leu	Trp	Gly	Leu	Ala	Leu	Pro	Leu	Phe	Phe	Phe	Cys	Trp
1				5					10					15	
Glu	Val	Gly	Val	Ser	Gly	Ser	Ser	Ala	Gly	Pro	Ser	Thr	Arg	Arg	Ala
			20					25					30		
Asp	Thr	Ala	Met	Thr	Thr	Asp	Asp	Thr	Glu	Val	Pro	Ala	Met	Thr	Leu
		35					40					45			
Ala	Pro	Gly	His	Ala	Ala	Leu	Glu	Thr	Gln	Thr	Leu	Ser	Ala	Glu	Thr
	50					55					60				
Ser	Ser	Arg	Ala	Ser	Thr	Pro	Ala	Gly	Pro	Ile	Pro	Glu	Ala	Glu	Thr
65					70					75				80	
Arg	Gly	Ala	Lys	Arg	Ile	Ser	Pro	Ala	Arg	Glu	Thr	Arg	Ser	Phe	Thr
				85					90					95	
Lys	Thr	Ser	Pro	Asn	Phe	Met	Val	Leu	Ile	Ala	Thr	Ser	Val	Glu	Thr
			100					105					110		
Ser	Ala	Ala	Ser	Gly	Ser	Pro	Glu	Gly	Ala	Arg	Met	Thr	Thr	Val	Gln
	115						120					125			
Thr	Ile	Thr	Gly	Ser	Asp	Pro	Arg	Glu	Ala	Ile	Phe	Asp	Thr	Leu	Cys
	130					135					140				
Thr	Asp	Asp	Ser	Ser	Glu	Glu	Ala	Lys	Thr	Leu	Thr	Met	Asp	Ile	Leu
145					150					155					160
Thr	Leu	Ala	His	Thr	Ser	Thr	Glu	Ala	Lys	Gly	Leu	Ser	Ser	Glu	Ser
				165					170					175	

Ser Ala Ser Ser Asp Gly Pro His Pro Val Ile Thr Pro Ser Arg Ala
 180 185 190
 Ser Glu Ser Ser Ala Ser Ser Asp Gly Pro His Pro Val Ile Thr Pro
 195 200 205
 Ser Arg Ala Ser Glu Ser Ser Ala Ser Ser Asp Gly Pro His Pro Val
 210 215 220
 Ile Thr Pro Ser Arg Ala Ser Glu Ser Ser Ala Ser Ser Asp Gly Pro
 225 230 235 240
 His Pro Val Ile Thr Pro Ser Arg Ala Ser Glu Ser Ser Ala Ser Ser
 245 250 255
 Asp Gly Pro His Pro Val Ile Thr Pro Ser Arg Ala Ser Glu Ser Ser
 260 265 270
 Ala Ser Ser Asp Gly Pro His Pro Val Ile Thr Pro Ser Trp Ser Pro
 275 280 285
 Gly Ser Asp Val Thr Leu Leu Ala Glu Ala Leu Val Ser Val Thr Asn
 290 295 300
 Ile Glu Val Ile Asn Cys Ser Ile Thr Glu Ile Glu Thr Thr Thr Ser
 305 310 315 320
 Ser Ile Pro Gly Ala Ser Asp Thr Asp Leu Ile Pro Thr Glu Gly Val
 325 330 335
 Lys Ala Ser Ser Thr Ser Asp Pro Pro Ala Leu Pro Asp Ser Thr Glu
 340 345 350
 Ala Lys Pro His Ile Thr Glu Val Thr Ala Ser Ala Glu Thr Leu Ser
 355 360 365
 Thr Ala Gly Thr Thr Glu Ser Ala Ala Pro Asp Ala Thr Val Gly Thr
 370 375 380
 Pro Leu Pro Thr Asn Ser Ala Thr Glu Arg Glu Val Thr Ala Pro Gly
 385 390 395 400
 Ala Thr Thr Leu Ser Gly Ala Leu Val Thr Val Ser Arg Asn Pro Leu
 405 410 415
 Glu Glu Thr Ser Ala Leu Ser Val Glu Thr Pro Ser Tyr Val Lys Val
 420 425 430
 Ser Gly Ala Ala Pro Val Ser Ile Glu Ala Gly Ser Ala Val Gly Lys
 435 440 445
 Thr Thr Ser Phe Ala Gly Ser Ser Ala Ser Ser Tyr Ser Pro Ser Glu

450		455		460
Ala Ala Leu Lys Asn Phe Thr Pro Ser Glu Thr Pro Thr Met Asp Ile				
465		470		480
Ala Thr Lys Gly Pro Phe Pro Thr Ser Arg Asp Pro Leu Pro Ser Val				
	485		490	495
Pro Pro Thr Thr Thr Asn Ser Ser Arg Gly Thr Asn Ser Thr Leu Ala				
	500		505	510
Lys Ile Thr Thr Ser Ala Lys Thr Thr Met Lys Pro Pro Thr Ala Thr				
	515		520	525
Pro Thr Thr Ala Arg Thr Arg Pro Thr Thr Asp Val Ser Ala Gly Glu				
	530		535	540
Asn Gly Gly Phe Leu Leu Leu Arg Leu Ser Val Ala Ser Pro Glu Asp				
545		550		560
Leu Thr Asp Pro Arg Val Ala Glu Arg Leu Met Gln Gln Leu His Arg				
	565		570	575
Glu Leu His Ala His Ala Pro His Phe Gln Val Ser Leu Leu Arg Val				
	580		585	590
Arg Arg Gly				
	595			

<210> 1341
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 1341
Met Trp Asn Pro Trp Ile Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser
1 5 10 15
Leu Leu Ala Cys Ala Leu Trp Pro Met Val Ala Phe Val Val Pro Glu
20 25 30
His Gln Leu Gly Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu
35 40 45
Gly Leu Ala Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg
50 55 60
Gly Tyr Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser
65 70 75 80

Leu Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly
85 90 95

Asn Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser His
100 105 110

Thr Glu

<210> 1342

<211> 114

<212> PRT

<213> Homo sapiens

<400> 1342

Met Trp Asn Pro Trp Ile Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser
1 5 10 15

Leu Leu Ala Cys Ala Leu Trp Pro Met Val Ala Phe Val Val Pro Glu
20 25 30

His Gln Leu Gly Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu
35 40 45

Gly Leu Ala Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg
50 55 60

Gly Tyr Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser
65 70 75 80

Leu Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly
85 90 95

Asn Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser His
100 105 110

Thr Glu

<210> 1343

<211> 114

<212> PRT

<213> Homo sapiens

<400> 1343

Met Trp Asn Pro Trp Ile Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser
1 5 10 15

Leu Leu Ala Cys Ala Leu Trp Pro Met Val Ala Phe Val Val Pro Glu
 20 25 30
 His Gln Leu Gly Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu
 35 40 45
 Gly Leu Ala Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg
 50 55 60
 Gly Tyr Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser
 65 70 75 80
 Leu Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly
 85 90 95
 Asn Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser His
 100 105 110
 Thr Glu

<210> 1344
 <211> 465
 <212> PRT
 <213> Homo sapiens

<400> 1344
 Met Glu Glu Glu Asp Glu Glu Ala Arg Ala Leu Leu Ala Gly Gly Pro
 1 5 10 15
 Asp Glu Ala Asp Arg Gly Ala Pro Ala Ala Pro Gly Ala Leu Pro Ala
 20 25 30
 Leu Cys Asp Pro Ser Arg Leu Ala His Arg Leu Leu Val Leu Leu Leu
 35 40 45
 Met Cys Phe Leu Gly Phe Gly Ser Tyr Phe Cys Tyr Asp Asn Pro Ala
 50 55 60
 Ala Leu Gln Thr Gln Val Lys Arg Asp Met Gln Val Asn Thr Thr Lys
 65 70 75 80
 Phe Met Leu Leu Tyr Ala Trp Tyr Ser Trp Pro Asn Val Val Leu Cys
 85 90 95
 Phe Phe Gly Gly Phe Leu Ile Asp Arg Val Phe Gly Ile Arg Trp Gly
 100 105 110
 Thr Ile Ile Phe Ser Cys Phe Val Cys Ile Gly Gln Val Val Phe Ala
 115 120 125

Leu	Gly	Gly	Ile	Phe	Asn	Ala	Phe	Trp	Leu	Met	Glu	Phe	Gly	Arg	Phe		
130						135					140						
Val	Phe	Gly	Ile	Gly	Gly	Glu	Ser	Leu	Ala	Val	Ala	Gln	Asn	Thr	Tyr		
145				150						155					160		
Ala	Val	Ser	Trp	Phe	Lys	Gly	Lys	Glu	Leu	Asn	Leu	Val	Phe	Gly	Leu		
				165					170					175			
Gln	Leu	Ser	Met	Ala	Arg	Ile	Gly	Ser	Thr	Val	Asn	Met	Asn	Leu	Met		
		180						185					190				
Gly	Trp	Leu	Tyr	Ser	Lys	Ile	Glu	Ala	Leu	Leu	Gly	Ser	Ala	Gly	His		
	195						200					205					
Thr	Thr	Leu	Gly	Ile	Thr	Leu	Met	Ile	Gly	Gly	Ile	Thr	Cys	Ile	Leu		
	210					215					220						
Ser	Leu	Ile	Cys	Ala	Leu	Ala	Leu	Ala	Tyr	Leu	Asp	Gln	Arg	Ala	Glu		
225					230					235					240		
Arg	Ile	Leu	His	Lys	Glu	Gln	Gly	Lys	Thr	Gly	Glu	Val	Ile	Lys	Leu		
				245					250					255			
Thr	Asp	Val	Lys	Asp	Phe	Ser	Leu	Pro	Leu	Trp	Leu	Ile	Phe	Ile	Ile		
		260						265					270				
Cys	Val	Cys	Tyr	Tyr	Val	Ala	Val	Phe	Pro	Phe	Ile	Gly	Leu	Gly	Lys		
	275						280					285					
Val	Phe	Phe	Thr	Glu	Lys	Phe	Gly	Phe	Ser	Ser	Gln	Ala	Ala	Ser	Ala		
	290					295					300						
Ile	Asn	Ser	Val	Val	Tyr	Val	Ile	Ser	Ala	Pro	Met	Ser	Pro	Val	Phe		
305					310					315					320		
Gly	Leu	Leu	Val	Asp	Lys	Thr	Gly	Lys	Asn	Ile	Ile	Trp	Val	Leu	Cys		
				325					330					335			
Ala	Val	Ala	Ala	Thr	Leu	Val	Ser	His	Met	Met	Leu	Ala	Phe	Thr	Met		
				340				345					350				
Trp	Asn	Pro	Trp	Ile	Ala	Met	Cys	Leu	Leu	Gly	Leu	Ser	Tyr	Ser	Leu		
		355					360					365					
Leu	Ala	Cys	Ala	Leu	Trp	Pro	Met	Val	Ala	Phe	Val	Val	Pro	Glu	His		
	370					375					380						
Gln	Leu	Gly	Thr	Ala	Tyr	Gly	Phe	Met	Gln	Ser	Ile	Gln	Asn	Leu	Gly		
385					390					395					400		

Leu Ala Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg Gly
405 410 415

Tyr Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser Leu
420 425 430

Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly Asn
435 440 445

Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser His Thr
450 455 460

Glu
465

<210> 1345
<211> 83
<212> PRT
<213> Homo sapiens

<400> 1345
Met Gly Leu Lys Ala Leu Pro Glu Pro Phe Met Ser Leu Val Ser His
1 5 10 15

Leu Leu Arg Thr Phe Phe Leu Val Trp Phe Val Gly Leu Pro Val Ala
20 25 30

Ile Leu Gly Asn Leu Leu Glu Cys Tyr Ala Asn Val Phe Thr Gly Asn
35 40 45

Gly Gly Gly Pro Glu Pro Trp Gly Gly His Leu Val Ser Glu Cys Leu
50 55 60

Ala Leu Pro Gln Leu Gly Ile Gln Tyr Leu Ala Leu Ser Gly Gly Ile
65 70 75 80

Ile Trp Leu

<210> 1346
<211> 73
<212> PRT
<213> Homo sapiens

<400> 1346
Met Ser Leu Val Ser His Leu Leu Arg Thr Phe Phe Leu Val Trp Phe
1 5 10 15

Val Gly Leu Pro Val Ala Ile Leu Gly Asn Leu Leu Glu Cys Tyr Ala
20 25 30
Asn Val Phe Thr Gly Asn Gly Gly Gly Pro Glu Pro Trp Gly Gly His
35 40 45
Leu Val Ser Glu Cys Leu Ala Leu Pro Gln Leu Gly Ile Gln Tyr Leu
50 55 60
Ala Leu Ser Gly Gly Ile Ile Trp Leu
65 70

<210> 1347
<211> 83
<212> PRT
<213> Homo sapiens

<400> 1347
Met Gly Leu Lys Ala Leu Pro Glu Pro Phe Met Ser Leu Val Ser His
1 5 10 15
Leu Leu Arg Thr Phe Phe Leu Val Trp Phe Val Gly Leu Pro Val Ala
20 25 30
Ile Leu Gly Asn Leu Leu Glu Cys Tyr Ala Asn Val Phe Thr Gly Asn
35 40 45
Gly Gly Gly Pro Glu Pro Trp Gly Gly His Leu Val Ser Glu Cys Leu
50 55 60
Ala Leu Pro Gln Leu Gly Ile Gln Tyr Leu Ala Leu Ser Gly Gly Ile
65 70 75 80
Ile Trp Leu

<210> 1348
<211> 111
<212> PRT
<213> Homo sapiens

<400> 1348
Met Phe Leu Ala Arg Val Pro Phe Leu Phe Thr Ile Val Pro Phe Ser
1 5 10 15
Val Leu Arg Ser Met Leu Ser Lys Val Val Arg Ser Thr Glu Gln Gly
20 25 30

Thr Leu Phe Ala Cys Ile Ala Phe Leu Glu Thr Leu Gly Gly Val Thr
 35 40 45
 Ala Val Ser Thr Phe Asn Gly Ile Tyr Ser Ala Thr Val Ala Trp Tyr
 50 55 60
 Pro Gly Phe Thr Phe Leu Leu Ser Ala Gly Leu Leu Leu Leu Pro Ala
 65 70 75 80
 Ile Ser Leu Cys Val Val Lys Cys Thr Ser Trp Asn Glu Gly Ser Tyr
 85 90 95
 Glu Leu Leu Ile Gln Glu Glu Ser Ser Glu Asp Ala Ser Asp Arg
 100 105 110

<210> 1349
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 1349
 Met Phe Leu Ala Arg Val Pro Phe Leu Phe Thr Ile Val Pro Phe Ser
 1 5 10 15
 Val Leu Arg Ser Met Leu Ser Lys Val Val Arg Ser Thr Glu Gln Gly
 20 25 30
 Thr Leu Phe Ala Cys Ile Ala Phe Leu Glu Thr Leu Gly Gly Val Thr
 35 40 45
 Ala Val Ser Thr Phe Asn Gly Ile Tyr Ser Ala Thr Val Ala Trp Tyr
 50 55 60
 Pro Gly Phe Thr Phe Leu Leu Ser Ala Gly Leu Leu Leu Leu Pro Ala
 65 70 75 80
 Ile Ser Leu Cys Val Val Lys Cys Thr Ser Trp Asn Glu Gly Ser Tyr
 85 90 95
 Glu Leu Leu Ile Gln Glu Glu Ser Ser Glu Asp Ala Ser Asp Arg
 100 105 110

<210> 1350
 <211> 230
 <212> PRT
 <213> Homo sapiens

<400> 1350

Met	Ser	Cys	Ser	Glu	Gly	Phe	Lys	Asn	Leu	Phe	Tyr	Arg	Thr	Tyr	Met	1	5	10	15
Leu	Phe	Lys	Asn	Ala	Ser	Gly	Lys	Arg	Arg	Phe	Leu	Leu	Cys	Leu	Leu	20	25	30	
Leu	Phe	Thr	Val	Ile	Thr	Tyr	Phe	Phe	Val	Val	Ile	Gly	Ile	Ala	Pro	35	40	45	
Ile	Phe	Ile	Leu	Tyr	Glu	Leu	Asp	Ser	Pro	Leu	Cys	Trp	Asn	Glu	Val	50	55	60	
Phe	Ile	Gly	Tyr	Gly	Ser	Ala	Leu	Gly	Ser	Ala	Ser	Phe	Leu	Thr	Ser	65	70	75	80
Phe	Leu	Gly	Ile	Trp	Leu	Phe	Ser	Tyr	Cys	Met	Glu	Asp	Ile	His	Met	85	90	95	
Ala	Phe	Ile	Gly	Ile	Phe	Thr	Thr	Met	Thr	Gly	Met	Ala	Met	Thr	Ala	100	105	110	
Phe	Ala	Ser	Thr	Thr	Leu	Met	Met	Phe	Leu	Ala	Arg	Val	Pro	Phe	Leu	115	120	125	
Phe	Thr	Ile	Val	Pro	Phe	Ser	Val	Leu	Arg	Ser	Met	Leu	Ser	Lys	Val	130	135	140	
Val	Arg	Ser	Thr	Glu	Gln	Gly	Thr	Leu	Phe	Ala	Cys	Ile	Ala	Phe	Leu	145	150	155	160
Glu	Thr	Leu	Gly	Gly	Val	Thr	Ala	Val	Ser	Thr	Phe	Asn	Gly	Ile	Tyr	165	170	175	
Ser	Ala	Thr	Val	Ala	Trp	Tyr	Pro	Gly	Phe	Thr	Phe	Leu	Leu	Ser	Ala	180	185	190	
Gly	Leu	Leu	Leu	Leu	Pro	Ala	Ile	Ser	Leu	Cys	Val	Val	Lys	Cys	Thr	195	200	205	
Ser	Trp	Asn	Glu	Gly	Ser	Tyr	Glu	Leu	Leu	Ile	Gln	Glu	Glu	Ser	Ser	210	215	220	
Glu	Asp	Ala	Ser	Asp	Arg	225	230												

<210> 1351

<211> 137

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1351
 Met Tyr Leu Gln Val Glu Thr Arg Thr Ser Ser Arg Leu His Leu Lys
 1 5 10 15
 Arg Ala Pro Gly Ile Arg Ser Trp Ser Leu Leu Val Gly Ile Leu Ser
 20 25 30
 Ile Gly Leu Ala Ala Ala Tyr Tyr Ser Gly Asp Ser Leu Gly Trp Lys
 35 40 45
 Leu Phe Tyr Val Thr Gly Cys Leu Phe Val Ala Val Gln Asn Leu Glu
 50 55 60
 Asp Trp Glu Glu Ala Ile Phe Asp Lys Ser Thr Gly Lys Val Val Leu
 65 70 75 80
 Lys Thr Phe Ser Leu Tyr Lys Lys Leu Leu Thr Leu Phe Arg Ala Gly
 85 90 95
 His Asp Gln Val Val Val Leu Leu His Asp Val Arg Asp Val Xaa Val
 100 105 110
 Glu Glu Glu Xaa Val Arg Tyr Phe Gly Lys Xaa Tyr Met Val Val Leu
 115 120 125
 Arg Leu Ala Thr Gly Phe Phe His Pro
 130 135

<210> 1352
 <211> 124
 <212> PRT
 <213> Homo sapiens

<400> 1352
 Met Tyr Leu Gln Val Glu Thr Arg Thr Ser Ser Arg Leu His Leu Lys

1	5	10	15
Arg Ala Pro Gly Ile Arg Ser Trp Ser Leu Leu Val Gly Ile Leu Ser	20	25	30
Ile Gly Leu Ala Ala Ala Tyr Tyr Ser Gly Asp Ser Leu Gly Trp Lys	35	40	45
Leu Phe Tyr Val Thr Gly Cys Leu Phe Val Ala Val Gln Asn Leu Glu	50	55	60
Asp Trp Glu Glu Ala Ile Phe Asp Lys Ser Thr Gly Lys Val Val Leu	65	70	75
Lys Thr Phe Ser Leu Tyr Lys Lys Leu Leu Thr Leu Phe Arg Ala Gly	85	90	95
His Asp Gln Val Val Val Leu Leu His Asp Val Arg Ser Gly Cys Gln	100	105	110
Ser Leu Val Ala Gly Gln Gly His His Asn His Lys	115	120	

<210> 1353

<211> 145

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1353

Met Tyr Leu Gln Val Glu Thr Arg Thr Ser Ser Arg Leu His Leu Lys	1	5	10	15
---	---	---	----	----

Arg Ala Pro Gly Ile Arg Ser Trp Ser Leu Leu Val Gly Ile Leu Ser	20	25	30
---	----	----	----

Ile Gly Leu Ala Ala Ala Tyr Tyr Ser Gly Asp Ser Leu Gly Trp Lys
 35 40 45
 Leu Phe Tyr Val Thr Gly Cys Leu Phe Val Ala Val Gln Asn Leu Glu
 50 55 60
 Asp Trp Glu Glu Ala Ile Phe Asp Lys Ser Thr Gly Lys Val Val Leu
 65 70 75 80
 Lys Thr Phe Ser Leu Tyr Lys Lys Leu Leu Thr Leu Phe Arg Ala Gly
 85 90 95
 His Asp Gln Val Val Val Leu Leu His Asp Val Arg Asp Val Ser Val
 100 105 110
 Glu Glu Glu Lys Val Arg Tyr Phe Gly Lys Xaa Tyr Met Val Val Leu
 115 120 125
 Arg Leu Ala Thr Gly Phe Xaa His Xaa Leu Thr Gln Ser Ala Asp Met
 130 135 140
 Gly
 145

<210> 1354
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1354
 Met Phe Lys Asp Tyr Pro Pro Ala Ile Lys Pro Ser Tyr Asp Val Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Val Xaa Leu Leu Gln Ala Gly Leu Asn Thr
 20 25 30
 Gly Thr Ala Ile Gln Cys Val Arg Phe Lys Val Ser Ala Arg Leu Gln
 35 40 45
 Gly Ala Ser Trp Asp Thr Gln Asn Gly Pro Gln Glu Arg Leu Ala Gly

50					55					60					
Arg	Tyr	Ala	Glu	Thr	Leu	Phe	Asp	Ile	Leu	Val	Ala	Gly	Gly	Met	Leu
65					70					75					80
Ala	Pro	Gly	Gly	Thr	Leu	Ala	Asp	Asp	Met	Met	Arg	Thr	Asp	Val	Cys
				85					90					95	
Val	Phe	Ala	Ala	Gln	Glu	Asp	Leu	Glu	Thr	Met	Gln	Ala	Phe	Ala	Gln
			100					105					110		
Val	Phe	Asn	Lys	Leu	Ile	Arg	Arg	Tyr	Lys	Tyr	Leu	Glu	Lys	Gly	Phe
		115					120					125			
Glu	Asp	Glu	Val	Lys	Lys	Leu	Leu	Leu	Phe	Leu	Lys	Gly	Phe	Ser	Glu
	130					135					140				
Ser	Glu	Arg	Asn	Lys	Leu	Ala	Met	Leu	Thr	Gly	Val	Leu	Leu	Ala	Asn
145						150					155				160
Gly	Thr	Leu	Asn	Ala	Ser	Ile	Leu	Asn	Ser	Leu	Tyr	Asn	Glu	Asn	Leu
				165					170					175	
Val	Lys	Glu	Gly	Val	Ser	Ala	Ala	Phe	Ala	Val	Lys	Leu	Phe	Lys	Ser
			180					185					190		
Trp	Ile	Asn	Glu	Lys	Asp	Ile	Asn	Ala	Val	Ala	Ala	Ser	Leu	Arg	Lys
		195					200					205			
Val	Ser	Met	Asp	Asn	Arg	Leu	Met	Glu	Leu	Phe	Pro	Ala	Asn	Lys	Gln
	210					215					220				
Ser	Val	Glu	His	Phe	Thr	Lys	Tyr	Phe	Thr	Glu	Ala	Gly	Leu	Lys	Glu
225						230					235				240
Leu	Ser	Glu	Tyr	Val	Arg	Asn	Gln	Gln	Thr	Ile	Gly	Ala	Arg	Lys	Glu
				245					250					255	
Leu	Gln	Lys	Glu	Leu	Gln	Glu	Gln	Met	Ser	Arg	Gly	Asp	Pro	Phe	Lys
			260					265					270		
Asp	Ile	Ile	Leu	Tyr	Val	Lys	Glu	Glu	Met	Lys	Lys	Asn	Asn	Ile	Pro
		275					280					285			
Glu	Pro	Val	Val	Ile	Gly	Ile	Val	Trp	Ser	Ser	Val	Met	Ser	Thr	Val
	290					295					300				
Glu	Trp	Asn	Lys	Lys	Glu	Glu	Leu	Val	Ala	Glu	Gln	Ala	Ile	Lys	His
305						310					315				320
Leu	Lys	Gln	Tyr	Ser	Pro	Leu	Leu	Ala	Ala	Phe	Thr	Thr	Gln	Gly	Gln
				325					330					335	

Ser Glu Leu Thr Leu Leu Leu Lys Ile Gln Glu Tyr Cys Tyr Asp Asn
 340 345 350

Ile His Phe Met Lys Ala Phe Gln Lys Ile Val Val Leu Phe Tyr Lys
 355 360 365

Ala Glu Val Leu Ser Glu Glu Pro Ile Leu Lys Trp Tyr Lys Asp Ala
 370 375 380

His Val Ala Lys Gly Lys Ser Val Phe Leu Glu Gln Met Lys Lys Phe
 385 390 395 400

Val Glu Trp Leu Lys Asn Ala Glu Glu Glu Ser Glu Ser Glu Ala Glu
 405 410 415

Glu Gly Asp

<210> 1357

<211> 19

<212> PRT

<213> Homo sapiens

<400> 1357

Thr Ile Ala Cys Met Leu Thr Phe Cys Phe Val Leu Phe Cys Phe Val
 1 5 10 15

Leu His Phe

<210> 1358

<211> 857

<212> PRT

<213> Homo sapiens

<400> 1358

Met Ser Tyr Tyr Met Ala Asp Arg Lys His Arg Lys Ala Phe Leu Glu
 1 5 10 15

Ala Arg Gln Ser Leu Glu Val Lys Met Asn Leu Glu Glu Gln Ser Gln
 20 25 30

Gln Gln Glu Asn Leu Met Leu Ser Ile Leu Pro Lys His Val Ala Asp
 35 40 45

Glu Met Leu Lys Asp Met Lys Lys Asp Glu Ser Gln Lys Asp Gln Gln
 50 55 60

Gln	Phe	Asn	Thr	Met	Tyr	Met	Tyr	Arg	His	Glu	Asn	Val	Ser	Ile	Leu	
65					70					75					80	
Phe	Ala	Asp	Ile	Val	Gly	Phe	Thr	Gln	Leu	Ser	Ser	Ala	Cys	Ser	Ala	
				85					90					95		
Gln	Glu	Leu	Val	Lys	Leu	Leu	Asn	Glu	Leu	Phe	Ala	Arg	Phe	Asp	Lys	
			100					105					110			
Leu	Ala	Ala	Lys	Tyr	His	Gln	Leu	Arg	Ile	Lys	Ile	Leu	Gly	Asp	Cys	
		115					120					125				
Tyr	Tyr	Cys	Ile	Cys	Gly	Leu	Pro	Asp	Tyr	Arg	Glu	Asp	His	Ala	Val	
	130					135					140					
Cys	Ser	Ile	Leu	Met	Gly	Leu	Ala	Met	Val	Glu	Ala	Ile	Ser	Tyr	Val	
145					150					155					160	
Arg	Glu	Lys	Thr	Lys	Thr	Gly	Val	Asp	Met	Arg	Val	Gly	Val	His	Thr	
				165					170					175		
Gly	Thr	Val	Leu	Gly	Gly	Val	Leu	Gly	Gln	Lys	Arg	Trp	Gln	Tyr	Asp	
			180					185					190			
Val	Trp	Ser	Thr	Asp	Val	Thr	Val	Ala	Asn	Lys	Met	Glu	Ala	Gly	Gly	
		195					200					205				
Ile	Pro	Gly	Arg	Val	His	Ile	Ser	Gln	Ser	Thr	Met	Asp	Cys	Leu	Lys	
	210					215					220					
Gly	Glu	Phe	Asp	Val	Glu	Pro	Gly	Asp	Gly	Gly	Ser	Arg	Cys	Asp	Tyr	
225					230					235					240	
Leu	Glu	Glu	Lys	Gly	Ile	Glu	Thr	Tyr	Leu	Ile	Ile	Ala	Ser	Lys	Pro	
				245					250					255		
Glu	Val	Lys	Lys	Thr	Ala	Thr	Gln	Asn	Gly	Leu	Asn	Gly	Ser	Ala	Leu	
			260					265					270			
Pro	Asn	Gly	Ala	Pro	Ala	Ser	Ser	Lys	Ser	Ser	Ser	Pro	Ala	Leu	Ile	
		275					280					285				
Glu	Thr	Lys	Glu	Pro	Asn	Gly	Ser	Ala	His	Ser	Ser	Gly	Ser	Thr	Ser	
	290					295						300				
Glu	Lys	Pro	Glu	Glu	Gln	Asp	Ala	Gln	Ala	Asp	Asn	Pro	Ser	Phe	Pro	
305					310					315					320	
Asn	Pro	Arg	Arg	Arg	Leu	Arg	Leu	Gln	Asp	Leu	Ala	Asp	Arg	Val	Val	
				325					330					335		

Asp	Ala	Ser	Glu	Asp	Glu	His	Glu	Leu	Asn	Gln	Leu	Leu	Asn	Glu	Ala	
			340					345					350			
Leu	Leu	Glu	Arg	Glu	Ser	Ala	Gln	Val	Val	Lys	Lys	Arg	Asn	Thr	Phe	
		355					360					365				
Leu	Leu	Ser	Met	Arg	Phe	Met	Asp	Pro	Glu	Met	Glu	Thr	Arg	Tyr	Ser	
	370					375					380					
Val	Glu	Lys	Glu	Lys	Gln	Ser	Gly	Ala	Ala	Phe	Ser	Cys	Ser	Cys	Val	
385					390					395					400	
Val	Leu	Leu	Cys	Thr	Ala	Leu	Val	Glu	Ile	Leu	Ile	Asp	Pro	Trp	Leu	
			405						410					415		
Met	Thr	Asn	Tyr	Val	Thr	Phe	Met	Val	Gly	Glu	Ile	Leu	Leu	Leu	Ile	
			420					425					430			
Leu	Thr	Ile	Cys	Ser	Leu	Ala	Ala	Ile	Phe	Pro	Arg	Ala	Phe	Pro	Lys	
		435					440					445				
Lys	Leu	Val	Ala	Phe	Ser	Thr	Trp	Ile	Asp	Arg	Thr	Arg	Trp	Ala	Arg	
	450					455					460					
Asn	Thr	Trp	Ala	Met	Leu	Ala	Ile	Phe	Ile	Leu	Val	Met	Ala	Asn	Val	
465					470					475					480	
Val	Asp	Met	Val	Ser	His	Met	Val	Lys	Leu	Thr	Leu	Met	Leu	Leu	Val	
			485						490					495		
Ala	Gly	Ala	Val	Ala	Thr	Ile	Asn	Leu	Tyr	Ala	Trp	Arg	Pro	Val	Phe	
			500					505					510			
Asp	Glu	Tyr	Asp	His	Lys	Arg	Phe	Arg	Glu	His	Asp	Leu	Pro	Met	Val	
		515					520					525				
Ala	Leu	Glu	Gln	Met	Gln	Gly	Phe	Asn	Pro	Gly	Leu	Asn	Gly	Thr	Asp	
	530					535					540					
Arg	Leu	Pro	Leu	Val	Pro	Ser	Lys	Tyr	Ser	Met	Thr	Val	Met	Val	Phe	
545					550					555					560	
Leu	Met	Met	Leu	Ser	Phe	Tyr	Tyr	Phe	Ser	Arg	His	Val	Glu	Lys	Leu	
				565					570					575		
Ala	Arg	Thr	Leu	Phe	Leu	Trp	Lys	Ile	Glu	Val	His	Asp	Gln	Lys	Glu	
			580					585					590			
Arg	Val	Tyr	Glu	Met	Arg	Arg	Trp	Asn	Glu	Ala	Leu	Val	Thr	Asn	Met	
		595					600					605				
Leu	Pro	Glu	His	Val	Ala	Arg	His	Phe	Leu	Gly	Ser	Lys	Lys	Arg	Asp	

610		615		620													
Glu	Glu	Leu	Tyr	Ser	Gln	Thr	Tyr	Asp	Glu	Ile	Gly	Val	Met	Phe	Ala		
625					630					635					640		
Ser	Leu	Pro	Asn	Phe	Ala	Asp	Phe	Tyr	Thr	Glu	Glu	Ser	Ile	Asn	Asn		
				645					650					655			
Gly	Gly	Ile	Glu	Cys	Leu	Arg	Phe	Leu	Asn	Glu	Ile	Ile	Ser	Asp	Phe		
			660					665					670				
Asp	Ser	Leu	Leu	Asp	Asn	Pro	Lys	Phe	Arg	Val	Ile	Thr	Lys	Ile	Lys		
		675					680					685					
Thr	Ile	Gly	Ser	Thr	Tyr	Met	Ala	Ala	Ser	Gly	Val	Thr	Pro	Asp	Val		
	690					695					700						
Asn	Thr	Asn	Gly	Phe	Ala	Ser	Ser	Asn	Lys	Glu	Asp	Lys	Ser	Glu	Arg		
705					710					715					720		
Glu	Arg	Trp	Gln	His	Leu	Ala	Asp	Leu	Ala	Asp	Phe	Ala	Leu	Ala	Met		
				725					730					735			
Lys	Asp	Thr	Leu	Thr	Asn	Ile	Asn	Asn	Gln	Ser	Phe	Asn	Asn	Phe	Met		
			740				745						750				
Leu	Arg	Ile	Gly	Met	Asn	Lys	Gly	Gly	Val	Leu	Ala	Gly	Val	Ile	Gly		
		755					760					765					
Ala	Arg	Lys	Pro	His	Tyr	Asp	Ile	Trp	Gly	Asn	Thr	Val	Asn	Val	Ala		
	770					775					780						
Ser	Arg	Met	Glu	Ser	Thr	Gly	Val	Met	Gly	Asn	Ile	Gln	Val	Val	Glu		
785					790					795					800		
Glu	Thr	Gln	Val	Ile	Leu	Arg	Glu	Tyr	Gly	Phe	Arg	Phe	Val	Arg	Arg		
				805					810					815			
Gly	Pro	Ile	Phe	Val	Lys	Gly	Lys	Gly	Glu	Leu	Leu	Thr	Phe	Phe	Leu		
			820					825					830				
Lys	Gly	Arg	Asp	Lys	Leu	Ala	Thr	Phe	Pro	Asn	Gly	Pro	Ser	Val	Thr		
		835					840					845					
Leu	Pro	His	Gln	Val	Val	Asp	Asn	Ser									
	850					855											

<210> 1359
 <211> 188
 <212> PRT

<213> Homo sapiens

<400> 1359

Met Val Pro Gly Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro
1 5 10 15
Ala Cys Val Ala Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe
20 25 30
Gln Val Leu Ser Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro
35 40 45
Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His
50 55 60
Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly
65 70 75 80
Phe Phe Ile Gln Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser
85 90 95
Phe Leu Ser Lys Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val
100 105 110
Ile Ile Ser Asp Asn Ala Val Asp Asn Asp Ser Phe Tyr Val Glu Met
115 120 125
Ile Gln Asp Ser Thr Gln Arg Thr Ala Asp Ile Pro Ala Leu Phe Leu
130 135 140
Leu Gly Arg Asp Gly Tyr Met Ile Arg Arg Ser Leu Glu Gln His Gly
145 150 155 160
Leu Pro Trp Ala Ile Ile Ser Ile Pro Val Asn Val Thr Ser Ile Pro
165 170 175
Thr Phe Glu Leu Leu Gln Pro Pro Trp Thr Phe Trp
180 185

<210> 1360

<211> 188

<212> PRT

<213> Homo sapiens

<400> 1360

Met Val Pro Gly Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro
1 5 10 15
Ala Cys Val Ala Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe
20 25 30

Gln	Val	Leu	Ser	Pro	Gly	Asp	Ile	Arg	Tyr	Ile	Phe	Thr	Ala	Thr	Pro
		35					40					45			
Ala	Lys	Asp	Phe	Gly	Gly	Ile	Phe	His	Thr	Arg	Tyr	Glu	Gln	Ile	His
	50					55					60				
Leu	Val	Pro	Ala	Glu	Pro	Pro	Glu	Ala	Cys	Gly	Glu	Leu	Ser	Asn	Gly
	65				70					75					80
Phe	Phe	Ile	Gln	Asp	Gln	Ile	Ala	Leu	Val	Glu	Arg	Gly	Gly	Cys	Ser
			85						90					95	
Phe	Leu	Ser	Lys	Thr	Arg	Val	Val	Gln	Glu	His	Gly	Gly	Arg	Ala	Val
			100					105					110		
Ile	Ile	Ser	Asp	Asn	Ala	Val	Asp	Asn	Asp	Ser	Phe	Tyr	Val	Glu	Met
		115					120					125			
Ile	Gln	Asp	Ser	Thr	Gln	Arg	Thr	Ala	Asp	Ile	Pro	Ala	Leu	Phe	Leu
	130					135					140				
Leu	Gly	Arg	Asp	Gly	Tyr	Met	Ile	Arg	Arg	Ser	Leu	Glu	Gln	His	Gly
	145				150					155					160
Leu	Pro	Trp	Ala	Ile	Ile	Ser	Ile	Pro	Val	Asn	Val	Thr	Ser	Ile	Pro
				165					170					175	
Thr	Phe	Glu	Leu	Leu	Gln	Pro	Pro	Trp	Thr	Phe	Trp				
			180					185							

<210> 1361

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1361

Met	Arg	Lys	Ile	His	Thr	Pro	Leu	Phe	Asn	Leu	Leu	Gln	Val	Arg	Leu
1				5					10					15	

Gly Phe Val Tyr Phe Pro Cys Phe Thr Phe Pro Xaa Val Gln Ala Val
 20 25 30
 Val Glu Thr Gly Thr Gln Gly Leu Cys Val Ala Pro Cys Ser Ser Cys
 35 40 45
 Leu Gln Glu Ala Cys Gly Ala Leu Val Ser Leu Ala Ser Cys Pro Pro
 50 55 60
 Phe Leu Leu Pro Pro Leu Thr Leu Pro Pro Thr Leu Ser Leu Arg Thr
 65 70 75 80
 Ser Ser Trp Lys Gly Leu Ala Arg Ala Xaa Val Leu Ala Ser Leu Trp
 85 90 95
 Gly Gly Arg Leu Cys Gly Leu Lys Gly Cys Arg Leu Lys Leu Gln Gly
 100 105 110
 Val Gly Ala Trp
 115

<210> 1362
 <211> 167
 <212> PRT
 <213> Homo sapiens

<400> 1362
 Met Arg Lys Ile His Thr Pro Leu Phe Asn Leu Leu Gln Val Arg Leu
 1 5 10 15
 Gly Phe Val Tyr Phe Pro Cys Phe Thr Phe Pro Cys Val Gln Ala Val
 20 25 30
 Val Glu Thr Gly Thr Gln Gly Leu Cys Val Ala Pro Cys Ser Ser Cys
 35 40 45
 Leu Gln Glu Ala Cys Gly Ala Leu Val Ser Leu Ala Ser Cys Pro Pro
 50 55 60
 Phe Leu Leu Pro Pro Leu Thr Leu Pro Pro Thr Leu Ser Leu Arg Thr
 65 70 75 80
 Ser Ser Trp Lys Gly Leu Ala Arg Ala Cys Val Leu Ala Ser Leu Trp
 85 90 95
 Gly Gly Arg Leu Cys Gly Leu Lys Gly Cys Arg Leu Lys Leu Gln Gly
 100 105 110
 Val Gly Ala Trp Glu Gly Met Cys Thr Ala Leu Leu Thr Asp Pro Phe
 115 120 125

Met Phe Ser Phe Phe Asp Ser Val Leu Cys Cys Pro Asp Gly Gly Val
130 135 140

Ser Pro Cys Leu Leu Pro Phe Leu Pro Trp Thr Leu Ala Ile Gly Pro
145 150 155 160

Asp Glu Arg Val His Val Val
165

<210> 1363
<211> 286
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (204)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (224)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (228)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (264)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (271)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1363
Met Tyr Leu Ser Ala Leu Gln Ser Leu Ile Pro Ser Leu Phe Ala Leu
1 5 10 15

Val Leu Gln Asn Ala Pro Phe Ser Ser Lys Ala Lys Leu His Gly Glu
20 25 30

Val Pro Gln Ile Glu Val Thr Arg Phe Pro Arg Pro Met Ser Pro Leu
35 40 45

Gln	Asp	Val	Ser	Thr	Ile	Ile	Gly	Ser	Arg	Glu	Gln	Leu	Ala	Val	Leu		
	50						55					60					
Leu	Gln	Leu	Tyr	Asp	Tyr	Gln	Leu	Glu	Gln	Glu	Gly	Thr	Thr	Gly	Trp		
	65				70					75					80		
Glu	Ser	Leu	Leu	Trp	Val	Val	Asn	Gln	Leu	Leu	Pro	Gln	Leu	Ile	Glu		
				85					90					95			
Ile	Val	Gly	Lys	Ile	Asn	Val	Thr	Ser	Thr	Ala	Cys	Val	His	Glu	Phe		
			100					105					110				
Ser	Arg	Phe	Phe	Trp	Arg	Leu	Cys	Arg	Thr	Phe	Gly	Lys	Ile	Phe	Thr		
		115					120					125					
Asn	Thr	Lys	Val	Lys	Pro	Gln	Phe	Gln	Glu	Ile	Leu	Arg	Leu	Ser	Glu		
	130					135					140						
Glu	Asn	Ile	Asp	Ser	Ser	Ala	Gly	Asn	Gly	Val	Leu	Thr	Lys	Ala	Thr		
	145				150					155					160		
Val	Pro	Ile	Tyr	Ala	Thr	Gly	Val	Leu	Thr	Cys	Tyr	Ile	Gln	Glu	Glu		
				165				170						175			
Asp	Arg	Lys	Leu	Leu	Val	Gly	Phe	Leu	Glu	Asp	Val	Met	Thr	Leu	Leu		
			180					185					190				
Ser	Leu	Ser	His	Ala	Pro	Leu	Asp	Ser	Leu	Lys	Xaa	Ser	Phe	Val	Glu		
		195					200					205					
Leu	Gly	Ala	Asn	Gln	Ala	Tyr	His	Glu	Leu	Leu	Leu	Thr	Val	Leu	Xaa		
	210					215					220						
Tyr	Gly	Val	Xaa	His	Thr	Ser	Ala	Leu	Val	Arg	Cys	Thr	Ala	Ala	Arg		
	225				230					235					240		
Met	Phe	Glu	Leu	Leu	Val	Lys	Gly	Val	Asn	Glu	Thr	Leu	Val	Ala	Gln		
				245					250					255			
Arg	Val	Val	Pro	Ala	Leu	His	Xaa	Leu	Ser	Pro	Val	Asp	Pro	Xaa	Asn		
			260					265					270				
Leu	Cys	Gln	Asp	Cys	His	Asn	Phe	Gln	Pro	Leu	Gly	Leu	Phe				
		275					280					285					

<210> 1364

<211> 283

<212> PRT

<213> Homo sapiens

<400> 1364

Met Tyr Leu Ser Ala Leu Gln Ser Leu Ile Pro Ser Leu Phe Ala Leu
1 5 10 15

Val Leu Gln Asn Ala Pro Phe Ser Ser Lys Ala Lys Leu His Gly Glu
20 25 30

Val Pro Gln Ile Glu Val Thr Arg Phe Pro Arg Pro Met Ser Pro Leu
35 40 45

Gln Asp Val Ser Thr Ile Ile Gly Ser Arg Glu Gln Leu Ala Val Leu
50 55 60

Leu Gln Leu Tyr Asp Tyr Gln Leu Glu Gln Glu Gly Thr Thr Gly Trp
65 70 75 80

Glu Ser Leu Leu Trp Val Val Asn Gln Leu Leu Pro Gln Leu Ile Glu
85 90 95

Ile Val Gly Lys Ile Asn Val Thr Ser Thr Ala Cys Val His Glu Phe
100 105 110

Ser Arg Phe Phe Trp Arg Leu Cys Arg Thr Phe Gly Lys Ile Phe Thr
115 120 125

Asn Thr Lys Val Lys Pro Gln Phe Gln Glu Ile Leu Arg Leu Ser Glu
130 135 140

Glu Asn Ile Asp Ser Ser Ala Gly Asn Gly Val Leu Thr Lys Ala Thr
145 150 155 160

Val Pro Ile Tyr Ala Thr Gly Val Leu Thr Cys Tyr Ile Gln Glu Glu
165 170 175

Asp Arg Lys Leu Leu Val Gly Phe Leu Glu Asp Val Met Thr Leu Leu
180 185 190

Ser Leu Ser His Ala Pro Leu Asp Ser Leu Lys Ala Ser Phe Val Glu
195 200 205

Leu Gly Ala Asn Pro Ala Tyr His Glu Leu Leu Leu Thr Val Leu Trp
210 215 220

Tyr Gly Val Val His Thr Ser Ala Leu Val Arg Cys Thr Ala Ala Arg
225 230 235 240

Met Phe Glu Val Cys Gln His Met Pro Leu Leu Val Ser Ile Ile Met
245 250 255

Ile Phe Phe Phe Leu Arg Arg Arg Arg Glu Phe Phe Leu Ile Lys Arg
260 265 270

Leu Cys Ile Ser Lys Lys Lys Lys Lys Lys Lys
 275 280

<210> 1365
 <211> 379
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (283)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (303)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (307)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1365
 Met Gly Tyr Ile Asp Asp Pro Asp Lys Tyr His Gln Gly Phe Glu Leu
 1 5 10 15

Leu Leu Ser Ala Leu Gly Asp Pro Ser Glu Arg Val Val Ser Ala Thr
 20 25 30

His Gln Val Phe Leu Pro Ala Tyr Ala Ala Trp Thr Thr Glu Leu Gly
 35 40 45

Asn Leu Gln Ser His Leu Ile Leu Thr Leu Leu Asn Lys Ile Glu Lys
 50 55 60

Leu Leu Arg Glu Gly Glu His Gly Leu Asp Glu His Lys Leu His Met
 65 70 75 80

Tyr Leu Ser Ala Leu Gln Ser Leu Ile Pro Ser Leu Phe Ala Leu Val
 85 90 95

Leu Gln Asn Ala Pro Phe Ser Ser Lys Ala Lys Leu His Gly Glu Val
 100 105 110

Pro Gln Ile Glu Val Thr Arg Phe Pro Arg Pro Met Ser Pro Leu Gln
 115 120 125

Asp Val Ser Thr Ile Ile Gly Ser Arg Glu Gln Leu Ala Val Leu Leu
 130 135 140

Gln	Leu	Tyr	Asp	Tyr	Gln	Leu	Glu	Gln	Glu	Gly	Thr	Thr	Gly	Trp	Glu	145	150	155	160
Ser	Leu	Leu	Trp	Val	Val	Asn	Gln	Leu	Leu	Pro	Gln	Leu	Ile	Glu	Ile	165	170	175	
Val	Gly	Lys	Ile	Asn	Val	Thr	Ser	Thr	Ala	Cys	Val	His	Glu	Phe	Ser	180	185	190	
Arg	Phe	Phe	Trp	Arg	Leu	Cys	Arg	Thr	Phe	Gly	Lys	Ile	Phe	Thr	Asn	195	200	205	
Thr	Lys	Val	Lys	Pro	Gln	Phe	Gln	Glu	Ile	Leu	Arg	Leu	Ser	Glu	Glu	210	215	220	
Asn	Ile	Asp	Ser	Ser	Ala	Gly	Asn	Gly	Val	Leu	Thr	Lys	Ala	Thr	Val	225	230	235	240
Pro	Ile	Tyr	Ala	Thr	Gly	Val	Leu	Thr	Cys	Tyr	Ile	Gln	Glu	Glu	Asp	245	250	255	
Arg	Lys	Leu	Leu	Val	Gly	Phe	Leu	Glu	Asp	Val	Met	Thr	Leu	Leu	Ser	260	265	270	
Leu	Ser	His	Ala	Pro	Leu	Asp	Ser	Leu	Lys	Xaa	Ser	Phe	Val	Glu	Leu	275	280	285	
Gly	Ala	Asn	Gln	Ala	Tyr	His	Glu	Leu	Leu	Leu	Thr	Val	Leu	Xaa	Tyr	290	295	300	
Gly	Val	Xaa	His	Thr	Ser	Ala	Leu	Val	Arg	Cys	Thr	Ala	Ala	Arg	Met	305	310	315	320
Phe	Glu	Leu	Leu	Val	Lys	Gly	Val	Asn	Glu	Thr	Leu	Val	Ala	Gln	Arg	325	330	335	
Val	Val	Pro	Ala	Leu	Ile	Thr	Leu	Ser	Ser	Asp	Pro	Glu	Ile	Ser	Val	340	345	350	
Arg	Ile	Ala	Thr	Ile	Pro	Ala	Phe	Gly	Thr	Ile	Met	Glu	Thr	Val	Ile	355	360	365	
Gln	Arg	Glu	Leu	Leu	Glu	Arg	Val	Lys	Met	Gln						370	375		

<210> 1366

<211> 156

<212> PRT

<213> Homo sapiens

<400> 1366

Met	Pro	Ala	Leu	Leu	Pro	Val	Ala	Ser	Arg	Leu	Leu	Leu	Leu	Pro	Arg
1				5					10					15	
Val	Leu	Leu	Thr	Met	Ala	Ser	Gly	Ser	Pro	Pro	Thr	Gln	Pro	Ser	Pro
			20					25					30		
Ala	Ser	Asp	Ser	Gly	Ser	Gly	Tyr	Val	Pro	Gly	Ser	Val	Ser	Ala	Ala
		35					40					45			
Phe	Val	Thr	Cys	Pro	Asn	Glu	Lys	Val	Ala	Lys	Glu	Ile	Ala	Arg	Ala
	50					55					60				
Val	Val	Glu	Lys	Arg	Leu	Ala	Ala	Cys	Val	Asn	Leu	Ile	Pro	Gln	Ile
	65				70					75					80
Thr	Ser	Ile	Tyr	Glu	Trp	Lys	Gly	Lys	Ile	Glu	Glu	Asp	Ser	Glu	Val
				85					90					95	
Leu	Met	Met	Ile	Lys	Thr	Gln	Ser	Ser	Leu	Val	Pro	Ala	Leu	Thr	Asp
			100					105					110		
Phe	Val	Arg	Ser	Val	His	Pro	Tyr	Glu	Val	Ala	Glu	Val	Ile	Ala	Leu
		115					120					125			
Pro	Val	Glu	Gln	Gly	Asn	Phe	Pro	Tyr	Leu	Gln	Trp	Val	Arg	Gln	Val
	130					135					140				
Thr	Glu	Ser	Val	Ser	Asp	Ser	Ile	Thr	Val	Leu	Pro				
145					150					155					

<210> 1367

<211> 156

<212> PRT

<213> Homo sapiens

<400> 1367

Met	Pro	Ala	Leu	Leu	Pro	Val	Ala	Ser	Arg	Leu	Leu	Leu	Leu	Pro	Arg
1				5					10					15	
Val	Leu	Leu	Thr	Met	Ala	Ser	Gly	Ser	Pro	Pro	Thr	Gln	Pro	Ser	Pro
			20					25					30		
Ala	Ser	Asp	Ser	Gly	Ser	Gly	Tyr	Val	Pro	Gly	Ser	Val	Ser	Ala	Ala
		35					40					45			
Phe	Val	Thr	Cys	Pro	Asn	Glu	Lys	Val	Ala	Lys	Glu	Ile	Ala	Arg	Ala
	50					55					60				

Val Val Glu Lys Arg Leu Ala Ala Cys Val Asn Leu Ile Pro Gln Ile
 65 70 75 80
 Thr Ser Ile Tyr Glu Trp Lys Gly Lys Ile Glu Glu Asp Ser Glu Val
 85 90 95
 Leu Met Met Ile Lys Thr Gln Ser Ser Leu Val Pro Ala Leu Thr Asp
 100 105 110
 Phe Val Arg Ser Val His Pro Tyr Glu Val Ala Glu Val Ile Ala Leu
 115 120 125
 Pro Val Glu Gln Gly Asn Phe Pro Tyr Leu Gln Trp Val Arg Gln Val
 130 135 140
 Thr Glu Ser Val Ser Asp Ser Ile Thr Val Leu Pro
 145 150 155

<210> 1368

<211> 442

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (164)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (247)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1368

Met Trp Arg Leu Pro Gly Leu Leu Gly Arg Ala Leu Pro Arg Thr Leu
 1 5 10 15

Gly Pro Ser Leu Trp Arg Val Thr Pro Lys Ser Thr Ser Pro Asp Gly
 20 25 30

Pro Gln Thr Thr Ser Ser Thr Leu Leu Val Pro Val Pro Asn Leu Asp
 35 40 45

Arg Ser Gly Pro His Gly Pro Gly Thr Ser Gly Gly Pro Arg Ser His
 50 55 60

Gly Trp Lys Asp Ala Phe Gln Trp Met Ser Ser Arg Val Ser Pro Asn
 65 70 75 80

Thr Leu Trp Asp Ala Ile Ser Trp Gly Thr Leu Ala Val Leu Ala Leu

85								90				95			
Gln	Leu	Ala	Arg	Gln	Ile	His	Phe	Gln	Ala	Ser	Leu	Pro	Ala	Gly	Pro
			100					105					110		
Gln	Arg	Val	Glu	His	Cys	Ser	Trp	His	Ser	Pro	Leu	Asp	Arg	Phe	Phe
		115					120					125			
Ser	Ser	Pro	Leu	Trp	His	Pro	Cys	Ser	Ser	Leu	Arg	Gln	His	Ile	Leu
		130				135					140				
Pro	Ser	Pro	Asp	Gly	Pro	Ala	Pro	Arg	His	Thr	Gly	Leu	Arg	Glu	Pro
145					150					155					160
Arg	Leu	Gly	Xaa	Glu	Glu	Ala	Ser	Ala	Gln	Pro	Arg	Asn	Phe	Ser	His
				165					170					175	
Asn	Ser	Leu	Arg	Gly	Ala	Arg	Pro	Gln	Asp	Pro	Ser	Glu	Glu	Gly	Pro
			180					185					190		
Gly	Asp	Phe	Gly	Phe	Leu	His	Ala	Ser	Ser	Ser	Ile	Glu	Ser	Glu	Ala
		195					200					205			
Lys	Pro	Ala	Gln	Pro	Gln	Pro	Thr	Gly	Glu	Lys	Glu	Gln	Asp	Lys	Ser
		210				215					220				
Lys	Thr	Leu	Ser	Leu	Glu	Glu	Ala	Val	Thr	Ser	Ile	Gln	Gln	Leu	Phe
225					230					235					240
Gln	Leu	Ser	Val	Ser	Ile	Xaa	Phe	Asn	Phe	Leu	Gly	Thr	Glu	Asn	Met
				245					250					255	
Lys	Ser	Gly	Asp	His	Thr	Ala	Ala	Phe	Ser	Tyr	Phe	Gln	Lys	Ala	Ala
			260					265					270		
Ala	Arg	Gly	Tyr	Ser	Lys	Ala	Gln	Tyr	Asn	Ala	Gly	Leu	Cys	His	Glu
		275					280					285			
His	Gly	Arg	Gly	Thr	Pro	Arg	Asp	Ile	Ser	Lys	Ala	Val	Leu	Tyr	Tyr
		290				295					300				
Gln	Leu	Ala	Ala	Ser	Gln	Gly	His	Ser	Leu	Ala	Gln	Tyr	Arg	Tyr	Ala
305					310					315					320
Arg	Cys	Leu	Leu	Arg	Asp	Pro	Ala	Ser	Ser	Trp	Asn	Pro	Glu	Arg	Gln
				325					330					335	
Arg	Ala	Val	Ser	Leu	Leu	Lys	Gln	Ala	Ala	Asp	Ser	Gly	Leu	Arg	Glu
			340					345					350		
Ala	Gln	Ala	Phe	Leu	Gly	Val	Leu	Phe	Thr	Lys	Glu	Pro	Tyr	Leu	Asp
		355					360					365			

Glu Gln Arg Ala Val Lys Tyr Leu Trp Leu Ala Ala Asn Asn Gly Asp
 370 375 380

Ser Gln Ser Arg Tyr His Leu Gly Ile Cys Tyr Glu Lys Gly Leu Gly
 385 390 395 400

Val Gln Arg Asn Leu Gly Glu Ala Leu Arg Cys Tyr Gln Gln Ser Ala
 405 410 415

Ala Leu Gly Asn Glu Ala Ala Gln Glu Arg Leu Arg Ala Leu Phe Ser
 420 425 430

Met Gly Ala Ala Ala Gly Gly Pro Ala Thr
 435 440

<210> 1369

<211> 84

<212> PRT

<213> Homo sapiens

<400> 1369

Met Gly Leu Arg Leu Pro Pro Pro Leu Cys Trp Phe Leu Cys Leu Thr
 1 5 10 15

Ser Thr Gly Gln Val Pro Met Ala Gln Ala Arg Ala Gly Val Gln Gly
 20 25 30

Pro Met Asp Gly Arg Met Pro Ser Asn Gly Cys Leu Pro Val Ser Pro
 35 40 45

Arg Thr Pro Tyr Gly Met Pro Tyr Leu Gly Ala Leu Trp Pro Cys Trp
 50 55 60

Pro Cys Ser Trp Gln Gly Arg Ser Thr Ser Arg His Pro Cys Gln Gln
 65 70 75 80

Asp Leu Ser Gly

<210> 1370

<211> 129

<212> PRT

<213> Homo sapiens

<400> 1370

Met Val Gly Val Gln Ile Trp Thr Leu Thr Cys Cys Val Ile Leu Val
 1 5 10 15

Val	Val	Leu	Pro	Phe	Ser	Val	Pro	His	Ser	Leu	Ile	Cys	Arg	Met	Gly
			20					25					30		
Leu	Ile	Ala	Thr	Ser	Val	Leu	Gln	Gly	His	Gly	Lys	Ser	Lys	Met	Ile
		35					40					45			
Asn	Ala	Thr	Val	Cys	Leu	Ala	Leu	Gly	Leu	Pro	Arg	Val	Pro	Arg	Glu
	50					55					60				
Asp	Gln	Leu	Ile	Val	Ser	Leu	Asp	Pro	Gln	Ser	Ser	Glu	Ser	Ala	Ser
	65				70					75					80
Leu	Glu	Ala	Leu	Leu	Lys	Tyr	Ser	Phe	Leu	Gly	Pro	Pro	Ser	Leu	Phe
				85					90					95	
Pro	Ile	Gln	Trp	Ser	Gly	Leu	Gly	Leu	Ser	Ile	Ser	Val	Ser	Tyr	Gln
			100					105					110		
Phe	Gln	Val	Thr	Leu	Val	Pro	Leu	Ala	Trp	Gly	Pro	Asn	Ser	Gln	Asp
		115					120					125			

Pro

<210> 1371

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1371

Xaa Xaa Asp Thr Gln Gly Arg Val Arg Gly Arg His Glu Glu Trp Gly
1 5 10 15

Gly Arg Arg Trp Arg Lys Glu Gly Ser Glu Gln Arg Ala Pro Gly Met
20 25 30

Ala Trp Lys Arg Leu Ser Pro Trp Ile Leu Trp Val Gly Ala Ser Gly
35 40 45

Leu Thr Ser Xaa Xaa
50

<210> 1372

<211> 129

<212> PRT

<213> Homo sapiens

<400> 1372

Met Val Gly Val Gln Ile Trp Thr Leu Thr Cys Cys Val Ile Leu Val
1 5 10 15

Val Val Leu Pro Phe Ser Val Pro His Ser Leu Ile Cys Arg Met Gly
20 25 30

Leu Ile Ala Thr Ser Val Leu Gln Gly His Gly Lys Ser Lys Met Ile
35 40 45

Asn Ala Thr Val Cys Leu Ala Leu Gly Leu Pro Arg Val Pro Arg Glu
50 55 60

Asp Gln Leu Ile Val Ser Leu Asp Pro Gln Ser Ser Glu Ser Ala Ser
65 70 75 80

Leu Glu Ala Leu Leu Lys Tyr Ser Phe Leu Gly Pro Pro Ser Leu Phe
85 90 95

Pro Ile Gln Trp Ser Gly Leu Gly Leu Ser Ile Ser Val Ser Tyr Gln
100 105 110

Phe Gln Val Thr Leu Val Pro Leu Ala Trp Gly Pro Asn Ser Gln Asp
115 120 125

Pro

<210> 1373

<211> 117

<212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1373
 Met Gly Phe Leu Phe Leu Leu Gly Leu Tyr Ile Ser Ser Leu Ala Ser
 1 5 10 15
 Cys Met Gly Gly Leu Tyr Gly Ala Pro Arg Ile Leu Gln Cys Ile Ala
 20 25 30
 Gln Glu Lys Val Ile Pro Ala Leu Ala Cys Leu Gly Gln Gly Lys Gly
 35 40 45
 Pro Asn Lys Thr Pro Val Ala Ala Ile Cys Leu Thr Ser Leu Val Thr
 50 55 60
 Met Ala Phe Val Phe Val Gly Gln Val Asn Val Leu Ala Pro Ile Val
 65 70 75 80
 Thr Ile Asn Phe Met Leu Thr Tyr Val Ala Val Asp Tyr Ser Tyr Phe
 85 90 95
 Ser Leu Ser Met Cys Ser Cys Ser Leu Thr Pro Val Pro Glu Pro Val
 100 105 110

 Leu Xaa Glu Gly Ala
 115

<210> 1374
 <211> 98
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (85)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1374

Gln	Gly	Thr	Pro	Arg	Leu	Cys	Thr	Thr	Arg	Leu	Leu	Val	Gln	Arg	Ala
1				5					10					15	

Thr	Ile	Ser	Val	Cys	Phe	Ile	Phe	Tyr	Cys	Ile	Ile	Tyr	Ser	Lys	Ile
			20					25					30		

Asn	Asn	Thr	Leu	Thr	Cys	Phe	His	Thr	Gln	Lys	Ile	Tyr	Arg	Val	Lys
		35					40					45			

Ser	Leu	Pro	Pro	Ile	Leu	Ile	Leu	His	Leu	Leu	Ser	Ser	Cys	Leu	Pro
	50					55					60				

Trp	Pro	Arg	Gly	Asn	His	Tyr	Ser	His	Pro	Tyr	Ile	Gln	His	Phe	Phe
65					70					75					80

Met	Asp	Ile	Gln	Xaa	Asn	Gly	Asn	Val	Xaa	Ser	His	Ile	Ser	Leu	Phe
				85					90					95	

Xaa Pro

<210> 1375

<211> 407

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1375

Met	Gly	Phe	Leu	Phe	Leu	Leu	Gly	Leu	Tyr	Ile	Ser	Ser	Leu	Ala	Ser
1				5					10					15	

Cys	Met	Gly	Gly	Leu	Tyr	Gly	Ala	Pro	Arg	Ile	Leu	Gln	Cys	Ile	Ala
			20					25					30		

Gln	Glu	Lys	Val	Ile	Pro	Ala	Leu	Ala	Cys	Leu	Gly	Gln	Gly	Lys	Gly
		35					40					45			

Pro	Asn	Lys	Thr	Pro	Val	Ala	Ala	Ile	Cys	Leu	Thr	Ser	Leu	Val	Thr
	50					55					60				

Met	Ala	Phe	Val	Phe	Val	Gly	Gln	Val	Asn	Val	Leu	Ala	Pro	Ile	Val
65					70					75					80

Thr	Ile	Asn	Phe	Met	Leu	Thr	Tyr	Val	Ala	Val	Asp	Tyr	Ser	Tyr	Phe			
				85					90					95				
Ser	Leu	Ser	Met	Cys	Ser	Cys	Ser	Leu	Thr	Pro	Val	Pro	Glu	Pro	Val			
			100					105					110					
Leu	Xaa	Glu	Gly	Ala	Glu	Gly	Leu	His	Cys	Ser	Glu	His	Leu	Leu	Leu			
		115					120					125						
Glu	Lys	Ala	Pro	Ser	Tyr	Gly	Ser	Glu	Gly	Pro	Ala	Gln	Arg	Val	Leu			
	130					135					140							
Glu	Gly	Thr	Leu	Leu	Glu	Phe	Thr	Lys	Asp	Met	Asp	Gln	Leu	Leu	Gln			
145					150					155					160			
Leu	Thr	Arg	Lys	Leu	Glu	Ser	Ser	Gln	Pro	Arg	Gln	Gly	Glu	Gly	Asn			
				165					170					175				
Arg	Thr	Pro	Glu	Ser	Gln	Lys	Arg	Lys	Ser	Lys	Lys	Ala	Thr	Lys	Gln			
			180					185					190					
Thr	Leu	Gln	Asp	Ser	Phe	Leu	Leu	Asp	Leu	Lys	Ser	Pro	Pro	Ser	Phe			
		195					200					205						
Pro	Val	Glu	Ile	Ser	Asp	Arg	Leu	Pro	Ala	Ala	Ser	Trp	Glu	Gly	Gln			
	210					215					220							
Glu	Ser	Cys	Trp	Asn	Lys	Gln	Thr	Ser	Lys	Ser	Glu	Gly	Thr	Gln	Pro			
225					230					235					240			
Glu	Gly	Thr	Tyr	Gly	Glu	Gln	Leu	Val	Pro	Glu	Leu	Cys	Asn	Gln	Ser			
				245					250					255				
Glu	Ser	Ser	Gly	Glu	Asp	Phe	Phe	Leu	Lys	Ser	Arg	Leu	Gln	Glu	Gln			
			260					265					270					
Asp	Val	Trp	Arg	Arg	Ser	Thr	Ser	Phe	Tyr	Thr	His	Met	Cys	Asn	Pro			
		275					280					285						
Trp	Val	Ser	Leu	Leu	Gly	Ala	Val	Gly	Ser	Leu	Leu	Ile	Met	Phe	Val			
	290					295					300							
Ile	Gln	Trp	Val	Tyr	Thr	Leu	Val	Asn	Met	Gly	Val	Ala	Ala	Ile	Val			
305					310					315					320			
Tyr	Phe	Tyr	Ile	Gly	Arg	Ala	Ser	Pro	Gly	Leu	His	Leu	Gly	Ser	Ala			
				325					330					335				
Ser	Asn	Phe	Ser	Phe	Phe	Arg	Trp	Met	Arg	Ser	Leu	Leu	Leu	Pro	Ser			
			340					345					350					

Cys Arg Ser Leu Gln Ser Pro Gln Glu Gln Ile Ile Leu Ala Pro Ser
 355 360 365

Leu Ala Lys Val Asp Met Glu Met Thr Gln Leu Thr Gln Glu Asn Ala
 370 375 380

Asp Phe Ala Thr Arg Asp Arg Tyr His His Ser Ser Leu Val Asn Arg
 385 390 395 400

Glu Gln Leu Met Pro His Tyr
 405

<210> 1376

<211> 137

<212> PRT

<213> Homo sapiens

<400> 1376

Met Leu Ser Gly Arg Leu Val Leu Gly Leu Val Ser Met Ala Gly Arg
 1 5 10 15

Val Cys Leu Cys Gln Gly Ser Ala Gly Ser Gly Ala Ile Gly Pro Val
 20 25 30

Glu Ala Ala Ile Arg Thr Lys Leu Glu Glu Ala Leu Ser Pro Glu Val
 35 40 45

Leu Glu Leu Arg Asn Glu Ser Gly Gly His Ala Val Pro Pro Gly Ser
 50 55 60

Glu Thr His Phe Arg Val Ala Val Val Ser Ser Arg Phe Glu Gly Leu
 65 70 75 80

Ser Pro Leu Gln Arg His Arg Leu Val His Ala Ala Leu Ala Glu Glu
 85 90 95

Leu Gly Gly Pro Val His Ala Leu Ala Ile Gln Ala Arg Thr Pro Ala
 100 105 110

Gln Trp Arg Glu Asn Ser Gln Leu Asp Thr Ser Pro Pro Cys Leu Gly
 115 120 125

Gly Asn Lys Lys Thr Leu Gly Thr Pro
 130 135

<210> 1377

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1377

Phe	Gly	Pro	Ala	Val	Phe	Gly	Phe	Gly	Ser	Pro	Arg	Gly	Lys	Pro	Pro
1				5					10					15	

Gly	Asn	Xaa	Arg	Gly	Gly	Pro	Ile	Arg	Val	Pro	Gly	Phe	Gly	Arg	Pro
			20					25					30		

Arg	Pro	Ile	Ser	Ala	Pro	Glu	Val	Trp	Glu	Gly	Arg	Pro	Leu	Xaa	Ala
		35					40					45			

Pro	Arg	Ser	Cys	Phe	Arg	Asn	Phe	Arg	Xaa	Arg	Arg	Ser	Gly	Gly	His
	50					55					60				

Ala	Val	Pro	Pro	Gly	Ser	Glu	Thr	His	Phe	Arg	Val	Ala	Val	Val	Ser
65					70					75					80

Ser	Arg	Phe	Glu	Gly	Leu	Ser	Pro	Leu	Gln	Arg	His	Arg	Leu	Val	His
				85					90					95	

Ala	Ala	Leu	Ala	Glu	Glu	Leu	Xaa	Gly	Pro	Val	His	Ala	Leu	Ala	Ile
			100					105					110		

Gln	Ala	Arg	Thr	Pro	Ala	Gln	Trp	Arg	Glu	Asn	Ser	Gln	Leu	Asp	Thr
		115					120					125			

Ser	Pro	Pro	Cys	Leu	Gly	Gly	Asn	Lys	Lys	Thr	Leu	Gly	Thr	Pro
	130					135						140		

<210> 1378
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 1378
 Met Leu Ser Gly Arg Leu Val Leu Gly Leu Val Ser Met Ala Gly Arg
 1 5 10 15
 Val Cys Leu Cys Gln Gly Ser Ala Gly Ser Gly Ala Ile Gly Pro Val
 20 25 30
 Glu Ala Ala Ile Arg Thr Lys Leu Glu Glu Ala Leu Ser Pro Glu Val
 35 40 45
 Leu Glu Leu Arg Asn Glu Ser Gly Gly His Ala Val Pro Pro Gly Ser
 50 55 60
 Glu Thr His Phe Arg Val Ala Val Val Ser Ser Arg Phe Glu Gly Leu
 65 70 75 80
 Ser Pro Leu Gln Arg His Arg Leu Val His Ala Ala Leu Ala Glu Glu
 85 90 95
 Leu Gly Gly Pro Val His Ala Leu Ala Ile Gln Ala Arg Thr Pro Ala
 100 105 110
 Gln Trp Arg Glu Asn Ser Gln Leu Asp Thr Ser Pro Pro Cys Leu Gly
 115 120 125
 Gly Asn Lys Lys Thr Leu Gly Thr Pro
 130 135

<210> 1379
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1379
 Met Ile Arg Arg Leu Val Phe Ala Ala Phe Pro Arg Leu Phe Pro Val
 1 5 10 15
 Xaa Leu Pro Ser Met Leu Thr His Trp Ala Ser Leu Ala Val Ile Pro
 20 25 30

Thr Met Thr Ala Thr Ser Val Gly Lys Ala Pro Pro Gly Pro Leu Pro
 35 40 45
 Asp Ala Ser Pro Ser Leu Arg Leu Pro Ala Arg Arg Arg Pro Asp Pro
 50 55 60
 Val Gly Ala Cys Arg Gly Val Arg Gly Met Ala Asp Leu Met Val Pro
 65 70 75 80
 Leu Pro

<210> 1380
 <211> 254
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (176)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (210)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (214)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (237)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (246)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1380
 Glu Phe Gly Thr Ser Leu Lys Val Arg Gly Phe Ile Leu Glu Val Ser
 1 5 10 15
 Glu Thr Thr Asn Pro Pro Glu Gly Thr Asn Ser Gly His Ser Gly Met
 20 25 30
 Val Ser Ala Leu Cys Gly Leu Cys Leu Leu Gly Ser Asn Asp Ser Pro

Cys Ile Thr Ser Leu Lys Ile Asp Trp Ala Trp Trp Cys Met Met Val
 20 25 30
 Val Pro Ala Thr Arg Gly Thr Gly Ala Glu Gly Ser Leu Glu Ser Arg
 35 40 45
 Phe Gln Ala Ala Val Gly Cys Asp Cys Val Thr Ala Leu Gln Pro Gly
 50 55 60
 Gln Gln Ser Glu Thr Leu Ser Leu Lys Lys
 65 70

<210> 1382
 <211> 273
 <212> PRT
 <213> Homo sapiens

<400> 1382
 Met Val Ser Ala Leu Cys Gly Leu Cys Leu Leu Gly Ser Asn Asp Ser
 1 5 10 15
 Pro Ala Ser Ala Ser Gln Val Ala Gly Thr Thr Gly Leu Ser Lys Ser
 20 25 30
 Leu Gly Leu Ile Glu Gly Tyr Gly Gly Arg Gly Lys Gly Gly Leu Pro
 35 40 45
 Ala Thr Leu Ser Pro Ala Glu Glu Glu Lys Ala Lys Gly Pro His Glu
 50 55 60
 Lys Tyr Gly Tyr Asn Ser Tyr Leu Ser Glu Lys Ile Ser Leu Asp Arg
 65 70 75 80
 Ser Ile Pro Asp Tyr Arg Pro Thr Lys Cys Lys Glu Leu Lys Tyr Ser
 85 90 95
 Lys Asp Leu Pro Gln Ile Ser Ile Ile Phe Ile Phe Val Asn Glu Ala
 100 105 110
 Leu Ser Val Ile Leu Arg Ser Val His Ser Ala Val Asn His Thr Pro
 115 120 125
 Thr His Leu Leu Lys Glu Ile Ile Leu Val Asp Asp Asn Ser Asp Glu
 130 135 140
 Glu Glu Leu Lys Val Pro Leu Glu Glu Tyr Val His Lys Arg Tyr Pro
 145 150 155 160
 Gly Leu Val Lys Val Val Arg Asn Gln Lys Arg Glu Gly Leu Ile Arg
 165 170 175

Ala	Arg	Ile	Glu	Gly	Trp	Lys	Val	Ala	Thr	Gly	Gln	Val	Thr	Gly	Phe
			180					185					190		
Phe	Asp	Ala	His	Val	Glu	Phe	Thr	Ala	Gly	Trp	Ala	Glu	Pro	Val	Leu
		195					200					205			
Ser	Arg	Ile	Gln	Glu	Asn	Arg	Lys	Arg	Val	Ile	Leu	Pro	Ser	Ile	Asp
		210				215					220				
Asn	Ile	Lys	Gln	Asp	Asn	Phe	Glu	Val	Gln	Arg	Tyr	Glu	Asn	Ser	Ala
225					230					235					240
His	Gly	Tyr	Ser	Trp	Glu	Leu	Trp	Cys	Met	Tyr	Ile	Ser	Pro	Pro	Lys
				245					250					255	
Asp	Trp	Trp	Asp	Ala	Gly	Asp	Pro	Ser	Leu	Pro	Ile	Ser	Asp	Arg	Phe
			260					265					270		

Ser

<210> 1383
 <211> 238
 <212> PRT
 <213> Homo sapiens

<400> 1383

Met	Gln	Gln	Gly	Pro	Lys	Glu	Phe	Ile	Glu	Cys	Val	Ser	His	Ile	Arg
1				5					10					15	
Leu	Leu	Ser	Trp	Leu	Leu	Leu	Gly	Ser	Leu	Thr	His	Asn	Ala	Val	Cys
			20					25					30		
Pro	Asn	Ala	Ser	Ser	Pro	Cys	Leu	Pro	Ile	Pro	Leu	Asp	Ala	Gly	Ser
		35					40					45			
His	Val	Ala	Asp	His	Leu	Ile	Val	Ile	Leu	Ile	Gly	Phe	Pro	Glu	Gln
	50					55					60				
Ser	Lys	Thr	Ser	Val	Leu	His	Met	Cys	Ser	Leu	Phe	His	Ala	Phe	Ile
65					70					75					80
Phe	Ala	Gln	Leu	Trp	Thr	Val	Tyr	Cys	Glu	Gln	Ser	Ala	Val	Ala	Thr
				85					90					95	
Asn	Leu	Gln	Asn	Gln	Asn	Glu	Phe	Ser	Phe	Thr	Ala	Ile	Leu	Thr	Ala
			100					105					110		
Leu	Glu	Phe	Trp	Ser	Arg	Val	Thr	Pro	Ser	Ile	Leu	Gln	Leu	Met	Ala

115						120						125			
His	Asn	Lys	Val	Met	Val	Glu	Met	Val	Cys	Leu	His	Val	Ile	Ser	Leu
130						135					140				
Met	Glu	Ala	Leu	Gln	Glu	Cys	Asn	Ser	Thr	Ile	Phe	Val	Lys	Leu	Ile
145					150					155					160
Pro	Met	Trp	Leu	Pro	Met	Ile	Gln	Ser	Asn	Ile	Lys	His	Leu	Ser	Ala
				165					170					175	
Gly	Leu	Gln	Leu	Arg	Leu	Gln	Ala	Ile	Gln	Asn	His	Val	Asn	His	His
			180					185					190		
Ser	Leu	Arg	Thr	Leu	Pro	Gly	Ser	Gly	Gln	Ser	Ser	Ala	Gly	Leu	Ala
	195					200						205			
Ala	Leu	Arg	Lys	Trp	Leu	Gln	Cys	Thr	Gln	Phe	Lys	Met	Ala	Gln	Val
210						215					220				
Glu	Ile	Gln	Ser	Ser	Glu	Ala	Ala	Ser	Gln	Phe	Tyr	Pro	Leu		
225					230					235					

<210> 1384

<211> 227

<212> PRT

<213> Homo sapiens

<400> 1384

His	Glu	Leu	Lys	Val	Gly	Leu	Ala	Gln	Ile	Ala	Ala	Met	Asp	Ile	Ser
1				5					10					15	
Arg	Gly	Asn	His	Arg	Asp	Asn	Lys	Ala	Val	Ile	Arg	Tyr	Leu	Pro	Trp
			20					25					30		
Leu	Tyr	His	Pro	Pro	Ser	Ala	Met	Gln	Gln	Gly	Pro	Lys	Glu	Phe	Ile
		35					40					45			
Glu	Cys	Val	Ser	His	Ile	Arg	Leu	Leu	Ser	Trp	Leu	Leu	Leu	Gly	Ser
50						55					60				
Leu	Thr	His	Asn	Ala	Val	Cys	Pro	Asn	Ala	Ser	Ser	Pro	Cys	Leu	Pro
65					70					75					80
Ile	Pro	Leu	Asp	Ala	Gly	Ser	His	Val	Ala	Asp	His	Leu	Ile	Val	Ile
				85					90					95	
Leu	Ile	Gly	Phe	Pro	Glu	Gln	Ser	Lys	Thr	Ser	Val	Leu	His	Met	Cys
		100						105						110	

Ser Leu Phe His Ala Phe Ile Phe Ala Gln Leu Trp Thr Val Tyr Cys
 115 120 125
 Glu Gln Ser Ala Val Ala Thr Asn Leu Gln Asn Gln Asn Glu Phe Ser
 130 135 140
 Phe Thr Ala Ile Leu Thr Ala Leu Glu Phe Trp Ser Arg Val Thr Pro
 145 150 155 160
 Ser Ile Leu Gln Leu Met Ala His Asn Lys Val Met Val Glu Met Val
 165 170 175
 Cys Leu His Val Ile Ser Leu Met Glu Ala Leu Gln Glu Cys Asn Ser
 180 185 190
 Thr Ile Phe Val Lys Leu Ile Pro Met Trp Leu Pro Met Ile Gln Ser
 195 200 205
 Asn Ile Lys His Leu Ser Ala Gly Leu Gln Phe Ala Ser Arg Leu Phe
 210 215 220
 Arg Thr Thr
 225

<210> 1385
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 1385
 Met Ser Thr Cys Cys Thr Ser Ala Leu Gln Tyr Leu Leu Ala Leu Phe
 1 5 10 15
 Pro Leu Pro Ala Pro Asn Cys Val Ser Tyr Arg Ser Gln Gly Ser Ser
 20 25 30
 Cys Tyr Leu Leu Leu Gln Ile Gln Lys Pro Arg Leu Arg Glu Glu Pro
 35 40 45
 Glu Trp Pro Gln Pro Gln Ser Lys Ser Met Arg Gly Ser Met Lys Leu
 50 55 60
 Gly Phe Phe Pro His Cys Thr Arg Leu Leu Pro Ser Trp Gly Gly Gly
 65 70 75 80
 Gly Arg Cys Ser Gly
 85

<210> 1386
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1386
 Leu Leu Gly Cys Thr Lys Ile Gly Gly Arg Ser Asp Leu Ala Gly Pro
 1 5 10 15
 Trp Val Arg Xaa Arg Ser Leu Glu Pro Thr Cys Val Gly Met Asn Pro
 20 25 30
 Gly Ser Ala Gly Cys Pro Leu Val Ser Gly Ser Thr Ser Leu Cys Phe
 35 40 45
 Arg Val Leu Ile Tyr Lys Met Gly Met Met Met Met Ile Leu Trp Gly
 50 55 60
 Cys Asn Met Val Gln Ser His Trp Lys Ser Leu Ala Val Pro Gln Lys
 65 70 75 80
 Val Lys His Lys Ser Tyr His Met Ile Gln Val Trp Gln His Ile Pro
 85 90 95
 Val Val Pro Ala Thr Gln Glu Asp His Leu Ser Pro Gly Val
 100 105 110

<210> 1387
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 1387
 Met Ser Thr Cys Cys Thr Ser Ala Leu Gln Tyr Leu Leu Ala Leu Phe
 1 5 10 15
 Pro Leu Pro Ala Pro Asn Cys Val Ser Tyr Arg Ser Gln Gly Ser Ser
 20 25 30
 Cys Tyr Leu Leu Leu Gln Ile Gln Lys Pro Arg Leu Arg Glu Glu Pro
 35 40 45
 Glu Trp Pro Gln Pro Gln Ser Lys Ser Met Arg Gly Ser Met Lys Leu
 50 55 60

Gly Phe Phe Pro His Cys Thr Arg Leu Leu Pro Ser Trp Gly Gly Gly
 65 70 75 80

Gly Arg Cys Ser Gly
 85

<210> 1388

<211> 261

<212> PRT

<213> Homo sapiens

<400> 1388

Met Ala Val Lys Arg Gln Pro Gly Ala Ala Ala Leu Ala Trp Lys Asn
 1 5 10 15

Pro Ile Ser Ser Trp Phe Thr Ala Met Leu His Cys Phe Gly Gly Gly
 20 25 30

Ile Leu Ser Cys Leu Leu Leu Ala Glu Pro Pro Leu Lys Phe Leu Ala
 35 40 45

Asn His Thr Asn Ile Leu Leu Ala Ser Ser Ile Trp Tyr Ile Thr Phe
 50 55 60

Phe Cys Pro His Asp Leu Val Ser Gln Gly Tyr Ser Tyr Leu Pro Val
 65 70 75 80

Gln Leu Leu Ala Ser Gly Met Lys Glu Val Thr Arg Thr Trp Lys Ile
 85 90 95

Val Gly Gly Val Thr His Ala Asn Ser Tyr Tyr Lys Asn Gly Trp Ile
 100 105 110

Val Met Ile Ala Ile Gly Trp Ala Arg Gly Ala Gly Gly Thr Ile Ile
 115 120 125

Thr Asn Phe Glu Arg Leu Val Lys Gly Asp Trp Lys Pro Glu Gly Asp
 130 135 140

Glu Trp Leu Lys Met Ser Tyr Pro Ala Lys Val Thr Leu Leu Gly Ser
 145 150 155 160

Val Ile Phe Thr Phe Gln His Thr Gln His Leu Ala Ile Ser Lys His
 165 170 175

Asn Leu Met Phe Leu Tyr Thr Ile Phe Ile Val Ala Thr Lys Ile Thr
 180 185 190

Met Met Thr Thr Gln Thr Ser Thr Met Thr Phe Ala Pro Phe Glu Asp
 195 200 205

Thr Leu Ser Trp Met Leu Phe Gly Trp Gln Gln Pro Phe Ser Ser Cys
 210 215 220

Glu Lys Lys Ser Glu Ala Lys Ser Pro Ser Asn Gly Val Gly Ser Leu
 225 230 235 240

Ala Ser Lys Pro Val Asp Val Ala Ser Asp Asn Val Lys Lys Lys His
 245 250 255

Thr Lys Lys Asn Glu
 260

<210> 1389

<211> 72

<212> PRT

<213> Homo sapiens

<400> 1389

Ile Val Asn Pro Met Phe Cys Asn Phe His Phe Arg Ser Leu Thr Tyr
 1 5 10 15

Phe Phe Leu Ser His Lys Asn Thr Phe Val Leu Ile Val Gly Glu Ile
 20 25 30

Phe Ser Ala Phe Cys Met Phe Phe Leu Ile Phe Val Gly Leu Asn Ile
 35 40 45

Leu Val Val Ile Thr Val Ile Ile Gln Gln Lys Ala Tyr Pro Phe Lys
 50 55 60

Asn Phe Ser Thr Met Ser Phe Phe
 65 70

<210> 1390

<211> 261

<212> PRT

<213> Homo sapiens

<400> 1390

Met Ala Val Lys Arg Gln Pro Gly Ala Ala Ala Leu Ala Trp Lys Asn
 1 5 10 15

Pro Ile Ser Ser Trp Phe Thr Ala Met Leu His Cys Phe Gly Gly Gly
 20 25 30

Ile Leu Ser Cys Leu Leu Leu Ala Glu Pro Pro Leu Lys Phe Leu Ala
 35 40 45

Asn	His	Thr	Asn	Ile	Leu	Leu	Ala	Ser	Ser	Ile	Trp	Tyr	Ile	Thr	Phe
	50					55					60				
Phe	Cys	Pro	His	Asp	Leu	Val	Ser	Gln	Gly	Tyr	Ser	Tyr	Leu	Pro	Val
65					70					75					80
Gln	Leu	Leu	Ala	Ser	Gly	Met	Lys	Glu	Val	Thr	Arg	Thr	Trp	Lys	Ile
				85					90					95	
Val	Gly	Gly	Val	Thr	His	Ala	Asn	Ser	Tyr	Tyr	Lys	Asn	Gly	Trp	Ile
			100					105					110		
Val	Met	Ile	Ala	Ile	Gly	Trp	Ala	Arg	Gly	Ala	Gly	Gly	Thr	Ile	Ile
		115					120					125			
Thr	Asn	Phe	Glu	Arg	Leu	Val	Lys	Gly	Asp	Trp	Lys	Pro	Glu	Gly	Asp
	130					135					140				
Glu	Trp	Leu	Lys	Met	Ser	Tyr	Pro	Ala	Lys	Val	Thr	Leu	Leu	Gly	Ser
145					150					155					160
Val	Ile	Phe	Thr	Phe	Gln	His	Thr	Gln	His	Leu	Ala	Ile	Ser	Lys	His
				165					170					175	
Asn	Leu	Met	Phe	Leu	Tyr	Thr	Ile	Phe	Ile	Val	Ala	Thr	Lys	Ile	Thr
			180					185					190		
Met	Met	Thr	Thr	Gln	Thr	Ser	Thr	Met	Thr	Phe	Ala	Pro	Phe	Glu	Asp
		195					200					205			
Thr	Leu	Ser	Trp	Met	Leu	Phe	Gly	Trp	Gln	Gln	Pro	Phe	Ser	Ser	Cys
	210					215					220				
Glu	Lys	Lys	Ser	Glu	Ala	Lys	Ser	Pro	Ser	Asn	Gly	Val	Gly	Ser	Leu
225					230					235					240
Ala	Ser	Lys	Pro	Val	Asp	Val	Ala	Ser	Asp	Asn	Val	Lys	Lys	Lys	His
				245					250					255	
Thr	Lys	Lys	Asn	Glu											
			260												

<210> 1391

<211> 98

<212> PRT

<213> Homo sapiens

<400> 1391

Met His Leu His Val Ser Val Ser Leu Ile Trp Gly Leu Leu Ser Phe

1		5		10		15									
Leu	Ser	Leu	Gln	Val	Cys	Val	Phe	Val	Gly	Ser	Ser	Gln	Pro	Leu	Leu
		20						25					30		
Leu	Gln	Cys	Val	Ser	Gly	Pro	Ala	Pro	Phe	Leu	Leu	Ser	Leu	Gly	Val
		35					40					45			
Arg	His	Gln	Pro	Phe	Trp	Asp	Cys	Pro	Thr	Gly	Pro	Ser	Arg	Glu	Glu
	50					55					60				
Thr	Arg	Leu	Asn	Pro	Arg	Ala	Leu	Thr	Arg	Pro	Arg	Gln	Thr	Cys	Trp
	65				70					75					80
Ser	Phe	Gly	Trp	Gln	Val	Ala	Leu	Arg	Pro	Ser	Glu	Lys	Ser	Pro	Cys
			85						90					95	
Phe	Ser														

<210> 1392
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 1392
Met His Leu His Val Ser Val Ser Leu Ile Trp Gly Leu Leu Ser Phe
1 5 10 15
Leu Ser Leu Gln Val Cys Val Phe Val Gly Ser Ser Gln Pro Leu Leu
20 25 30
Leu Gln Cys Val Ser Gly Pro Ala Pro Phe Leu Leu Ser Leu Gly Val
35 40 45
Arg His Gln Pro Phe Trp Asp Cys Pro Thr Gly Pro Ser Arg Glu Glu
50 55 60
Thr Arg Leu Asn Pro Arg Ala Leu Thr Arg Pro Arg Gln Thr Cys Trp
65 70 75 80
Ser Phe Gly Trp Gln Val Ala Leu Arg Pro Ser Glu Lys Ser Pro Cys
85 90 95
Phe Ser

<210> 1393

<211> 139
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (139)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1393
 Met Ala Leu Tyr Glu Leu Phe Ser His Pro Val Glu Arg Xaa Tyr Arg
 1 5 10 15
 Ala Gly Leu Cys Ser Lys Ala Ala Leu Phe Leu Leu Leu Ala Ala Ala
 20 25 30
 Leu Thr Tyr Ile Pro Pro Leu Leu Val Ala Phe Arg Ser His Gly Phe
 35 40 45
 Trp Leu Lys Arg Thr Ala Thr Arg Ser Ser Arg Pro Cys Ala Ser Asn
 50 55 60
 Thr Arg Cys Cys Ser Trp Pro Cys Ser Asp Pro Lys Ala Thr Gly Ser
 65 70 75 80
 Ser Pro Gly Ala Arg Ser Pro Pro Ser Thr Gly Cys Lys Gly Ile Ala
 85 90 95
 Cys Ala Ser Arg Ser Phe Arg Gly Gly Asp Asn Ala Cys Cys Val Lys
 100 105 110
 Gln Asp Ser Xaa Ser Leu Cys Ile Tyr Arg Ser Asp Val Asp Ser Ser
 115 120 125
 Gln Asn Ser Leu Val Thr Lys Gly Ala Gly Xaa
 130 135

<210> 1394
 <211> 316
 <212> PRT

<213> Homo sapiens

<400> 1394

Met	Ala	Leu	Tyr	Glu	Leu	Phe	Ser	His	Pro	Val	Glu	Arg	Ser	Tyr	Arg
1				5					10					15	
Ala	Gly	Leu	Cys	Ser	Lys	Ala	Ala	Leu	Phe	Leu	Leu	Leu	Ala	Ala	Ala
			20					25					30		
Leu	Thr	Tyr	Ile	Pro	Pro	Leu	Leu	Val	Ala	Phe	Arg	Ser	His	Gly	Phe
		35					40					45			
Trp	Leu	Lys	Arg	Ser	Ser	Tyr	Glu	Glu	Gln	Pro	Thr	Val	Arg	Phe	Gln
	50					55					60				
His	Gln	Val	Leu	Leu	Val	Ala	Leu	Leu	Gly	Pro	Glu	Ser	Asp	Gly	Phe
65					70					75					80
Leu	Ala	Trp	Ser	Thr	Phe	Pro	Ala	Phe	Asn	Arg	Leu	Gln	Gly	Asp	Arg
				85					90					95	
Leu	Arg	Val	Pro	Leu	Val	Ser	Thr	Arg	Glu	Glu	Asp	Arg	Asn	Gln	Asp
			100					105					110		
Gly	Lys	Thr	Asp	Met	Leu	His	Phe	Lys	Leu	Glu	Leu	Pro	Leu	Gln	Ser
		115					120					125			
Thr	Glu	His	Val	Leu	Gly	Val	Gln	Leu	Ile	Leu	Thr	Phe	Ser	Tyr	Arg
	130					135					140				
Leu	His	Arg	Met	Ala	Thr	Leu	Val	Met	Gln	Ser	Met	Ala	Phe	Leu	Gln
145						150				155					160
Ser	Ser	Phe	Pro	Val	Pro	Gly	Ser	Gln	Leu	Tyr	Val	Asn	Gly	Asp	Leu
				165					170					175	
Arg	Leu	Gln	Gln	Lys	Gln	Pro	Leu	Ser	Cys	Gly	Gly	Leu	Asp	Ala	Arg
			180					185					190		
Tyr	Asn	Ile	Ser	Val	Ile	Asn	Gly	Thr	Ser	Pro	Phe	Ala	Tyr	Asp	Tyr
		195					200					205			
Asp	Leu	Thr	His	Ile	Val	Ala	Ala	Tyr	Gln	Glu	Arg	Asn	Val	Thr	Thr
	210					215					220				
Val	Leu	Asn	Asp	Pro	Asn	Pro	Ile	Trp	Leu	Val	Gly	Arg	Ala	Ala	Asp
225					230					235					240
Ala	Pro	Phe	Val	Ile	Asn	Ala	Ile	Ile	Arg	Tyr	Pro	Val	Glu	Val	Ile
				245					250					255	
Ser	Tyr	Gln	Pro	Gly	Phe	Trp	Glu	Met	Val	Lys	Phe	Ala	Trp	Val	Gln

	260		265		270										
Tyr	Val	Ser	Ile	Leu	Leu	Ile	Phe	Leu	Trp	Val	Phe	Glu	Arg	Ile	Lys
	275						280					285			
Ile	Phe	Val	Phe	Gln	Asn	Gln	Val	Val	Thr	Thr	Ile	Pro	Val	Thr	Val
	290					295					300				
Thr	Pro	Arg	Gly	Asp	Leu	Cys	Lys	Glu	His	Leu	Ser				
305					310					315					

<210> 1395
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400>	1395														
Met	Ala	Phe	Leu	Leu	Glu	Arg	Ser	Gly	Thr	Leu	Leu	Ile	Cys	Ser	Met
1				5					10					15	
Trp	Trp	His	His	Gly	Tyr	Ser	Asn	Ile	Thr	Gly	Thr	Glu	Gly	Glu	Arg
			20					25					30		
Arg	Asn	Leu	Lys	Arg	Asn	Lys	Thr	Asn	Phe	Arg	Arg	Phe	Gln	Asp	Gly
		35					40					45			
Arg	Ile	Gly	Thr	Ala	Pro	Val	Tyr	Ser	Ser	Gln	Cys	Glu	Arg	Cys	Arg
	50					55					60				
Arg	Trp	Val	Ile	Ser	Ala	Phe	Pro	Thr	Glu	Gln	Thr	Xaa	His	Gln	Lys
65					70					75					80
Ile	Ile	Ser	His	Ala	Trp	Leu	Gly	Gly	Ser	His	Ala	His	Gly	Ala	Ser
				85					90					95	
Leu	Ile	Ala	Ser	Thr	Ala	Val									
				100											

<210> 1396
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 1396

Met Ala Phe Leu Leu Glu Arg Ser Gly Thr Leu Leu Ile Cys Ser Met
1 5 10 15

Trp Trp His His Gly Tyr Ser Asn Ile Thr Gly Thr Glu Gly Glu Arg
20 25 30

Arg Asn Leu Lys Arg Asn Lys Thr Asn Phe Arg Arg Phe Gln Asp Gly
35 40 45

Arg Ile Gly Thr Ala Pro Val Tyr Ser Ser Gln Cys Glu Arg Cys Arg
50 55 60

Arg Trp Val Ile Ser Ala Phe Pro Thr Glu Gln Thr Ala His Gln Lys
65 70 75 80

Ile Ile Ser His Ala Trp Leu Gly Gly Ser His Ala His Gly Ala Ser
85 90 95

Leu Ile Ala Ser Thr Ala Val
100

<210> 1397

<211> 125

<212> PRT

<213> Homo sapiens

<400> 1397

Met Cys Val Trp Phe Cys Leu Phe Ala Cys Leu Phe Ala Cys Leu Phe
1 5 10 15

Phe Glu Thr Glu Ser His Ser Val Ala Gln Ala Gly Val Gln Trp Leu
20 25 30

Asp Leu Ser Ser Leu Gln Gln Pro Pro Pro Pro Gly Phe Lys Cys Phe
35 40 45

Ser Cys Leu Cys Leu Leu Ser Ser Trp Asp Tyr Arg Arg Ala Cys His
50 55 60

His Thr Arg Ile Ile Phe Val Phe Leu Val Glu Met Gly Phe His His
65 70 75 80

Val Asp Gln Ala Asp Leu Glu Leu Leu Thr Ser Ser Asp Pro Pro Ala
85 90 95

Leu Ala Ser Arg Ser Ala Gly Ile Thr Gly Val Ser His His Thr Pro
100 105 110

Pro Ala Cys Leu Val Phe Lys Phe Leu Phe Leu Gly Ser

115

120

125

<210> 1398

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1398

Ala	Pro	Val	Leu	Leu	Leu	Pro	Ser	Ser	Cys	Trp	Gln	Phe	Trp	Val	Leu
1				5					10					15	

Gly	Phe	Phe	Phe	Phe	Arg	Gln	Ser	Leu	Thr	Pro	Ser	Pro	Gly	Trp	Lys
			20					25					30		

Tyr	Ser	Gly	Ala	Val	Ser	Ala	His	Cys	Ser	Leu	Arg	Leu	Pro	Gly	Ser
		35					40					45			

Asn	Asp	Pro	Leu	Ala	Ser	Ala	Ser	Gln	Leu	Ala	Gly	Thr	Thr	Gly	Ala
	50					55					60				

His	His	His	Gly	Gln	Leu	Ile	Phe	Val	Phe	Leu	Val	Glu	Met	Gly	Phe
65					70					75					80

His	His	Ile	Ala	Gln	Ala	Gly	Leu	Lys	Leu	Xaa	Thr	Ser	Ser	Asp	Leu
				85					90					95	

Leu	Thr	Ser	Ala	Phe	Gln	Ser	Ala	Gly	Xaa	Ile	Tyr	Ile	Leu	Asn	Lys
			100					105					110		

<210> 1399

<211> 125

<212> PRT

<213> Homo sapiens

<400> 1399

Met Cys Val Trp Phe Cys Leu Phe Ala Cys Leu Phe Ala Cys Leu Phe
 1 5 10 15
 Phe Glu Thr Glu Ser His Ser Val Ala Gln Ala Gly Val Gln Trp Leu
 20 25 30
 Asp Leu Ser Ser Leu Gln Gln Pro Pro Pro Pro Gly Phe Lys Cys Phe
 35 40 45
 Ser Cys Leu Cys Leu Leu Ser Ser Trp Asp Tyr Arg Arg Ala Cys His
 50 55 60
 His Thr Arg Ile Ile Phe Val Phe Leu Val Glu Met Gly Phe His His
 65 70 75 80
 Val Asp Gln Ala Asp Leu Glu Leu Leu Thr Ser Ser Asp Pro Pro Ala
 85 90 95
 Leu Ala Ser Arg Ser Ala Gly Ile Thr Gly Val Ser His His Thr Pro
 100 105 110
 Pro Ala Cys Leu Phe Phe Lys Phe Leu Phe Leu Gly Ser
 115 120 125

<210> 1400
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 1400
 Met Glu Leu Gly Cys Trp Thr His Trp Gly Ser Leu Phe Phe Ser Ser
 1 5 10 15
 Phe Ser Ser Arg Pro Cys Gln Glu Ser Thr Gln Ser Leu Met Lys Pro
 20 25 30
 Ala Leu Glu Gln Ser Gly Ile Ser Cys Val Gly Ser Ala Val Asn Met
 35 40 45
 Ile Arg Leu Ser Ala Ser Ala Pro Glu Arg Gly Lys Ser Trp Val Ile
 50 55 60
 Pro Ser Leu Ala Ala Gly Met Arg Arg Met Ser Val Thr Pro Ala
 65 70 75

<210> 1401
 <211> 455
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1401

Xaa	Thr	Gly	Gln	Arg	Cys	Glu	Asn	Leu	Leu	Glu	Glu	Arg	Asn	Cys	Ser
1				5					10					15	

Xaa	Pro	Gly	Gly	Pro	Val	Asn	Gly	Tyr	Gln	Lys	Ile	Thr	Gly	Gly	Pro
		20						25					30		

Gly	Leu	Ile	Asn	Gly	Arg	His	Ala	Lys	Ile	Gly	Thr	Val	Val	Ser	Phe
	35						40					45			

Phe	Cys	Asn	Asn	Ser	Tyr	Val	Leu	Ser	Gly	Asn	Glu	Lys	Arg	Thr	Cys
	50					55					60				

Gln	Gln	Asn	Gly	Glu	Trp	Ser	Gly	Lys	Gln	Pro	Ile	Cys	Ile	Lys	Ala
65					70					75					80

Cys	Arg	Glu	Pro	Lys	Ile	Ser	Asp	Leu	Val	Arg	Arg	Arg	Val	Leu	Pro
				85					90					95	

Met	Gln	Val	Gln	Ser	Arg	Xaa	Thr	Pro	Leu	His	Gln	Leu	Tyr	Ser	Ala
			100					105					110		

Ala	Phe	Ser	Lys	Gln	Lys	Leu	Gln	Ser	Ala	Pro	Thr	Lys	Lys	Pro	Ala
		115					120					125			

Leu	Pro	Phe	Gly	Asp	Leu	Pro	Met	Gly	Tyr	Gln	His	Leu	His	Thr	Gln
	130					135					140				

Leu	Gln	Tyr	Glu	Cys	Ile	Ser	Pro	Phe	Tyr	Arg	Arg	Leu	Gly	Ser	Ser
145					150					155					160

Arg	Arg	Thr	Cys	Leu	Arg	Thr	Gly	Lys	Trp	Ser	Gly	Arg	Ala	Pro	Ser		
				165					170					175			
Cys	Xaa	Pro	Ile	Cys	Gly	Lys	Ile	Glu	Asn	Ile	Thr	Ala	Pro	Lys	Thr		
			180					185					190				
Gln	Gly	Leu	Arg	Trp	Pro	Trp	Gln	Ala	Ala	Ile	Tyr	Arg	Arg	Thr	Ser		
		195					200					205					
Gly	Val	His	Asp	Gly	Ser	Leu	His	Lys	Gly	Ala	Trp	Phe	Leu	Val	Cys		
	210					215					220						
Ser	Gly	Ala	Leu	Val	Asn	Glu	Arg	Thr	Val	Val	Val	Ala	Ala	His	Cys		
225					230					235					240		
Val	Thr	Asp	Leu	Gly	Lys	Val	Thr	Met	Ile	Lys	Thr	Ala	Asp	Leu	Lys		
				245					250					255			
Val	Val	Leu	Gly	Lys	Phe	Tyr	Arg	Asp	Asp	Asp	Arg	Asp	Glu	Lys	Thr		
			260					265					270				
Ile	Gln	Ser	Leu	Gln	Ile	Ser	Ala	Ile	Ile	Leu	His	Pro	Asn	Tyr	Asp		
		275					280					285					
Pro	Ile	Leu	Leu	Asp	Ala	Asp	Ile	Ala	Ile	Leu	Lys	Leu	Leu	Asp	Lys		
	290					295					300						
Ala	Arg	Ile	Ser	Thr	Arg	Val	Gln	Pro	Ile	Cys	Leu	Ala	Ala	Ser	Arg		
305					310					315					320		
Asp	Leu	Ser	Thr	Ser	Phe	Gln	Glu	Ser	His	Ile	Thr	Val	Ala	Gly	Trp		
				325					330					335			
Asn	Val	Leu	Ala	Asp	Val	Arg	Ser	Pro	Gly	Phe	Lys	Asn	Asp	Thr	Leu		
			340					345					350				
Arg	Ser	Gly	Val	Val	Ser	Val	Val	Asp	Ser	Leu	Leu	Cys	Glu	Glu	Gln		
		355					360					365					
His	Glu	Asp	His	Gly	Ile	Pro	Val	Ser	Val	Thr	Asp	Asn	Met	Phe	Cys		
	370					375					380						
Ala	Ser	Trp	Glu	Pro	Thr	Ala	Pro	Ser	Asp	Ile	Cys	Thr	Ala	Glu	Thr		
385					390					395					400		
Gly	Gly	Ile	Ala	Ala	Val	Ser	Phe	Pro	Gly	Arg	Ala	Ser	Pro	Glu	Pro		
			405						410					415			
Arg	Trp	His	Leu	Met	Gly	Leu	Val	Ser	Trp	Ser	Tyr	Asp	Lys	Thr	Cys		
			420					425					430				

Ser His Arg Leu Ser Thr Ala Phe Thr Lys Val Leu Pro Phe Lys Asp
 435 440 445

Trp Ile Glu Arg Asn Met Lys
 450 455

<210> 1402

<211> 323

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (283)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (296)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (298)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1402

Met Glu Leu Gly Cys Trp Thr Gln Leu Gly Leu Thr Phe Leu Gln Leu
 1 5 10 15

Leu Leu Ile Ser Ser Leu Pro Arg Glu Tyr Thr Val Ile Asn Glu Ala
 20 25 30

Cys Pro Gly Ala Glu Trp Asn Ile Met Cys Arg Glu Cys Cys Glu Tyr
 35 40 45

Asp Gln Ile Glu Cys Val Cys Pro Gly Lys Arg Glu Val Val Gly Tyr
 50 55 60

Thr Ile Pro Cys Cys Arg Asn Glu Glu Asn Glu Cys Asp Ser Cys Leu
 65 70 75 80

Ile His Pro Gly Cys Thr Ile Phe Glu Asn Cys Lys Ser Cys Arg Asn
 85 90 95

Gly Ser Trp Gly Gly Thr Leu Asp Asp Phe Tyr Val Lys Gly Phe Tyr
 100 105 110

Cys Ala Glu Cys Arg Ala Gly Trp Tyr Gly Gly Asp Cys Met Arg Cys
 115 120 125

Gly Gln Val Leu Arg Ala Pro Lys Gly Gln Ile Leu Leu Glu Ser Tyr
 130 135 140
 Pro Leu Asn Ala His Cys Glu Trp Thr Ile His Ala Lys Pro Gly Phe
 145 150 155 160
 Val Ile Gln Leu Arg Phe Val Met Leu Ser Leu Glu Phe Asp Tyr Met
 165 170 175
 Cys Gln Tyr Asp Tyr Val Glu Val Arg Asp Gly Asp Asn Arg Asp Gly
 180 185 190
 Gln Ile Ile Lys Arg Val Cys Gly Asn Glu Arg Pro Ala Pro Ile Gln
 195 200 205
 Ser Ile Gly Ser Ser Leu His Val Leu Phe His Ser Asp Gly Ser Lys
 210 215 220
 Asn Phe Asp Gly Phe His Ala Ile Tyr Glu Glu Ile Thr Ala Cys Ser
 225 230 235 240
 Ser Ser Pro Cys Phe His Asp Gly Thr Cys Val Leu Asp Lys Ala Gly
 245 250 255
 Ser Tyr Lys Cys Ala Cys Leu Ala Gly Tyr Thr Gly Gln Arg Cys Glu
 260 265 270
 Asn Leu Leu Glu Ala Gly Lys Ser Lys Ile Xaa Ala Ser Glu Asp Ser
 275 280 285
 Leu Ser Val Leu Glu Glu Arg Xaa Cys Xaa Asp Pro Gly Gly Pro Val
 290 295 300
 Asn Gly Tyr Gln Lys Ile Thr Gly Gly Pro Gly Leu Ile Asn Gly Arg
 305 310 315 320
 His Ala Lys

<210> 1403
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1403
 Met Ala Arg Ser Trp Leu Thr Ala Thr Ser Ala Ser Arg Val Gln Ala
 1 5 10 15

Ile Leu Leu Leu Gly Leu Gln His Met Pro Pro Cys Pro Asp Tyr Phe

<210> 1405
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1405
 Met Ala Arg Ser Trp Leu Thr Ala Thr Ser Ala Ser Arg Val Gln Ala
 1 5 10 15
 Ile Leu Leu Leu Gly Leu Gln His Met Pro Pro Cys Pro Asp Tyr Phe
 20 25 30
 Phe Val Phe Val Val Glu Thr Gly Phe His His Val Ser Gln Ala Gly
 35 40 45
 Leu Glu Leu Leu Thr Ser Gly Asp Pro Pro Ala Ser Ala Ser His Thr
 50 55 60
 Ala Gly Ile Thr Gly Met Ser His Arg Ser Trp Pro Leu Phe Leu Phe
 65 70 75 80

<210> 1406
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1406
 Ile Trp Met His Phe Ile Ser Phe Leu Tyr Pro Ile Ala Leu Ala Thr
 1 5 10 15
 Thr Ser Ser Thr Val Leu Asn Arg Ser Gly Glu Cys Gly His Pro Cys
 20 25 30
 Leu Val Pro Val Leu Arg Glu Asn Ala Phe Ser Leu Ser Pro Phe Gly
 35 40 45
 Met Met Phe Ala Val Gly Leu Ser Tyr Met Ala Phe Phe Thr Leu Arg
 50 55 60
 Tyr Val Pro Ser Val Pro Ile Leu Leu Arg Val Phe Ile Ile Gln Glu
 65 70 75 80

Cys Xaa Phe

<210> 1407

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1407

Met	His	Phe	Ile	Ser	Phe	Leu	Tyr	Pro	Ile	Ala	Leu	Ala	Thr	Thr	Ser
1				5					10					15	
Ser	Thr	Val	Leu	Asn	Arg	Ser	Gly	Glu	Cys	Gly	His	Pro	Cys	Leu	Val
			20					25					30		
Pro	Val	Leu	Arg	Glu	Asn	Ala	Phe	Ser	Leu	Ser	Pro	Phe	Gly	Met	Met
			35				40					45			
Phe	Ala	Val	Gly	Leu	Ser	Tyr	Met	Ala	Phe	Phe	Thr	Leu	Arg	Tyr	Val
	50					55					60				
Pro	Ser	Val	Pro	Ile	Leu	Leu	Arg	Val	Phe	Ile	Ile	Gln	Glu	Cys	Trp
65					70					75					80
Ile	Leu	Ser	Asn	Ala	Phe	Ser	Ala	Ser	Gly	Glu	Met	Ile	Ile		
			85							90					

<210> 1408

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1408

Met	His	Phe	Ile	Ser	Phe	Leu	Tyr	Pro	Ile	Ala	Leu	Ala	Thr	Thr	Ser
1				5					10					15	
Ser	Thr	Val	Leu	Asn	Arg	Ser	Gly	Glu	Cys	Gly	His	Pro	Cys	Leu	Val
			20					25					30		
Pro	Val	Leu	Arg	Glu	Asn	Ala	Phe	Ser	Leu	Ser	Pro	Phe	Gly	Met	Met
			35				40					45			
Phe	Ala	Val	Gly	Leu	Ser	Tyr	Met	Ala	Phe	Phe	Thr	Leu	Arg	Tyr	Val
	50					55					60				
Pro	Ser	Val	Pro	Ile	Leu	Leu	Arg	Val	Phe	Ile	Ile	Gln	Glu	Cys	Trp
65					70					75					80

Ile Leu Ser Asn Ala Phe Ser Ala Ser Gly Glu Met Ile Ile
85 90

<210> 1409
<211> 95
<212> PRT
<213> Homo sapiens

<400> 1409
Met Ile Leu Ile Arg Lys Leu Phe Leu Arg Arg Cys His Trp Gly Gly
1 5 10 15
Trp Leu Leu Pro Pro Ala Arg Ala Ser Cys Ser Gly Lys His Ser Leu
20 25 30
Ser His Ser Cys Arg Gly Pro Arg Val Gln Arg Pro Pro His Pro Arg
35 40 45
Phe Trp Ala Gly Thr Leu Ala Pro Gly Pro Cys Pro Gly Leu Trp Cys
50 55 60
Leu Pro Gly Leu Val Gln Val Asp Val Leu Ala Ala Gly Arg Cys Asp
65 70 75 80
His Leu Ser Cys Leu Pro Pro Leu Cys Pro Gln Ala Phe Leu Leu
85 90 95

<210> 1410
<211> 92
<212> PRT
<213> Homo sapiens

<400> 1410
Met Pro Gly Cys Val Phe Cys Phe Leu Thr Leu Leu Phe His Ser Leu
1 5 10 15
Ser Val Gly Gln Tyr Cys Cys Leu Ile Cys Val Cys Phe Val Leu Tyr
20 25 30
Val Tyr Thr Gln Ile His Thr Arg Ile His Ile His Thr His Lys His
35 40 45
Phe Phe Phe Pro Trp Arg Gln Gly Ile Ala Leu Ser Pro Arg Leu Glu
50 55 60
Tyr Ser Ser Ala Ile Met Thr His Arg Leu Ile Ala Ala Leu Ala Ser
65 70 75 80

Gln Ala Gln Ala Ile Leu Pro Pro Gln Pro Ser Glu
85 90

<210> 1411
<211> 225
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1411
Met Ile His Val Arg His Cys Thr Pro Ile Pro Ala Leu Leu Val Cys
1 5 10 15

Cys Gly Ala Thr Ala Val Ile Met Leu Val Gly Asp Thr Tyr Thr Leu
20 25 30

Ile Asn Tyr Val Ser Phe Ile Asn Tyr Leu Cys Tyr Gly Val Thr Ile
35 40 45

Leu Gly Leu Leu Leu Leu Arg Trp Arg Arg Pro Ala Leu His Arg Pro
50 55 60

Ile Xaa Val Asn Leu Leu Ile Pro Val Ala Tyr Leu Val Phe Trp Ala
65 70 75 80

Phe Leu Leu Val Phe Ser Phe Ile Ser Glu Pro Met Val Cys Gly Val
85 90 95

Gly Val Ile Ile Xaa Leu Thr Gly Val Pro Ile Phe Phe Leu Gly Val
100 105 110

Phe Trp Arg Ser Lys Pro Lys Cys Val His Arg Leu Thr Glu Ser Met
115 120 125

Thr His Trp Gly Gln Glu Leu Cys Phe Val Val Tyr Pro Gln Asp Ala
130 135 140

Pro Glu Glu Glu Glu Asn Ala Pro Ala His Pro Pro Cys Cys Leu Pro
145 150 155 160

Gln Thr Ser Pro Arg Ser His Asn Glu Ile Phe Val Glu Thr Glu Ala
165 170 175

Val Val Ser Val Tyr Met Leu Phe Ile Glu Glu Val Phe Trp Gln Lys
180 185 190

Ser Phe Val Leu Phe Phe Ser Gly Lys Lys Arg Lys Lys Ile Arg Leu
195 200 205

Ser Glu Ala Cys Phe Lys Glu Ala Leu Lys Cys Gly Leu Gly Phe Leu
210 215 220

Ser
225

<210> 1412

<211> 172

<212> PRT

<213> Homo sapiens

<400> 1412

Met Ile His Val Arg His Cys Thr Pro Ile Pro Ala Leu Leu Val Cys
1 5 10 15

Cys Gly Ala Thr Ala Val Ile Met Leu Val Gly Asp Thr Tyr Thr Leu
20 25 30

Ile Asn Tyr Val Ser Phe Ile Asn Tyr Leu Cys Tyr Gly Val Thr Ile
35 40 45

Leu Gly Leu Leu Leu Leu Arg Trp Arg Arg Pro Ala Leu His Arg Pro
50 55 60

Ile Lys Val Asn Leu Leu Ile Pro Val Ala Tyr Leu Val Phe Trp Ala
65 70 75 80

Phe Leu Leu Val Phe Ser Phe Ile Ser Glu Pro Met Val Cys Gly Val
85 90 95

Gly Val Ile Ile Ile Leu Thr Gly Val Pro Ile Phe Phe Leu Gly Val
100 105 110

Phe Trp Arg Ser Lys Pro Lys Cys Val His Arg Leu Thr Glu Ser Met
115 120 125

Thr His Trp Gly Gln Glu Leu Cys Phe Val Val Tyr Pro Gln Asp Ala
130 135 140

Pro Glu Glu Glu Glu Glu Trp Pro Leu Pro Thr Leu Pro Ala Ala Cys
145 150 155 160

His Arg Gln Ala Leu Glu Ala Thr Met Arg Phe Leu
165 170

<210> 1413
<211> 225
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1413
Met Ile His Val Arg His Cys Thr Pro Ile Pro Ala Leu Leu Val Cys
1 5 10 15

Cys Gly Ala Thr Ala Val Ile Met Leu Val Gly Asp Thr Tyr Thr Leu
20 25 30

Ile Asn Tyr Val Ser Phe Ile Asn Tyr Leu Cys Tyr Gly Val Thr Ile
35 40 45

Leu Gly Leu Leu Leu Leu Arg Trp Arg Arg Pro Ala Leu His Arg Pro
50 55 60

Ile Xaa Val Asn Leu Leu Ile Pro Val Ala Tyr Leu Val Phe Trp Ala
65 70 75 80

Phe Leu Leu Val Phe Ser Phe Ile Ser Glu Pro Met Val Cys Gly Val
85 90 95

Gly Val Ile Ile Xaa Leu Thr Gly Val Pro Ile Phe Phe Leu Gly Val
100 105 110

Phe Trp Arg Ser Lys Pro Lys Cys Val His Arg Leu Thr Glu Ser Met
115 120 125

Thr His Trp Gly Gln Glu Leu Cys Phe Val Val Tyr Pro Gln Asp Ala
130 135 140

Pro Glu Glu Glu Glu Asn Ala Pro Ala His Pro Pro Cys Cys Leu Pro
145 150 155 160

Gln Thr Ser Pro Arg Ser His Asn Glu Ile Phe Val Glu Thr Glu Ala
165 170 175

Val Val Ser Val Tyr Met Leu Phe Ile Glu Glu Val Phe Trp Gln Lys
180 185 190

Ser Phe Val Leu Phe Phe Ser Gly Lys Lys Arg Lys Lys Ile Arg Leu
195 200 205

Ser Glu Ala Cys Phe Lys Glu Ala Leu Lys Cys Gly Leu Gly Phe Leu
210 215 220

Ser
225

<210> 1414
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1414
Lys Asp Lys Cys Ile Leu Leu Lys Arg Gln Ser Xaa Thr His Glu Glu
1 5 10 15

Gln Cys Lys Leu Lys Pro Asn Gln Arg Leu Gly Val Ala Ala Met Pro
20 25 30

Val Ile Pro Ala Leu Trp Glu Ala Glu Val Gly Arg Leu Leu Glu Ile
35 40 45

Arg Ser Leu Ser Leu Gly Asn Ile Val Lys Pro Cys Leu Tyr Lys Lys
50 55 60

Tyr Lys Asn
65

<210> 1415
<211> 587
<212> PRT
<213> Homo sapiens

<400> 1415
Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys

1		5		10		15											
Trp	Ala	Ser	Val	Ser	Ala	Gln	Thr	Asp	Ala	Thr	Pro	Ala	Val	Thr	Thr		
			20					25					30				
Glu	Gly	Leu	Asn	Ser	Thr	Glu	Ala	Ala	Leu	Ala	Thr	Phe	Gly	Thr	Phe		
		35					40					45					
Pro	Ser	Thr	Arg	Pro	Pro	Gly	Thr	Pro	Arg	Ala	Pro	Gly	Pro	Ser	Ser		
	50					55					60						
Gly	Pro	Arg	Pro	Thr	Pro	Val	Thr	Asp	Val	Ala	Val	Leu	Cys	Val	Cys		
65					70					75					80		
Asp	Leu	Ser	Pro	Ala	Gln	Cys	Asp	Ile	Asn	Cys	Cys	Cys	Asp	Pro	Asp		
				85					90					95			
Cys	Ser	Ser	Val	Asp	Phe	Ser	Val	Phe	Ser	Ala	Cys	Ser	Val	Pro	Val		
			100					105					110				
Val	Thr	Gly	Asp	Ser	Gln	Phe	Cys	Ser	Gln	Lys	Ala	Val	Ile	Tyr	Ser		
		115					120					125					
Leu	Asn	Phe	Thr	Ala	Asn	Pro	Pro	Gln	Arg	Val	Phe	Glu	Leu	Val	Asp		
	130					135					140						
Gln	Ile	Asn	Pro	Ser	Ile	Phe	Cys	Ile	His	Ile	Thr	Asn	Tyr	Lys	Pro		
145					150					155					160		
Ala	Leu	Ser	Phe	Ile	Asn	Pro	Glu	Val	Pro	Asp	Glu	Asn	Asn	Phe	Asp		
				165					170					175			
Thr	Leu	Met	Lys	Thr	Ser	Asp	Gly	Phe	Thr	Leu	Asn	Ala	Glu	Ser	Tyr		
			180					185					190				
Val	Ser	Phe	Thr	Thr	Lys	Leu	Asp	Ile	Pro	Thr	Ala	Ala	Lys	Tyr	Glu		
		195					200					205					
Tyr	Gly	Val	Pro	Leu	Gln	Thr	Ser	Asp	Ser	Phe	Leu	Arg	Phe	Pro	Ser		
	210					215					220						
Ser	Leu	Thr	Ser	Ser	Leu	Cys	Thr	Asp	Asn	Asn	Pro	Ala	Ala	Phe	Leu		
225					230					235					240		
Val	Asn	Gln	Ala	Val	Lys	Cys	Thr	Arg	Lys	Ile	Asn	Leu	Glu	Gln	Cys		
				245					250					255			
Glu	Glu	Ile	Glu	Ala	Leu	Ser	Met	Ala	Phe	Tyr	Ser	Ser	Pro	Glu	Ile		
			260					265					270				
Leu	Arg	Val	Pro	Asp	Ser	Arg	Lys	Lys	Val	Pro	Ile	Thr	Val	Gln	Ser		
		275					280					285					

Ile	Val	Ile	Gln	Ser	Leu	Asn	Lys	Thr	Leu	Thr	Arg	Arg	Glu	Asp	Thr	290	295	300
Asp	Val	Leu	Gln	Pro	Thr	Leu	Val	Asn	Ala	Gly	His	Phe	Ser	Leu	Cys	305	310	315
Val	Asn	Val	Val	Leu	Glu	Val	Lys	Tyr	Ser	Leu	Thr	Tyr	Thr	Asp	Ala	325	330	335
Gly	Glu	Val	Thr	Lys	Ala	Asp	Leu	Ser	Phe	Val	Leu	Gly	Thr	Val	Ser	340	345	350
Ser	Val	Val	Val	Pro	Leu	Gln	Gln	Lys	Phe	Glu	Ile	His	Phe	Leu	Gln	355	360	365
Glu	Asn	Thr	Gln	Pro	Val	Pro	Leu	Ser	Gly	Asn	Pro	Gly	Tyr	Val	Val	370	375	380
Gly	Leu	Pro	Leu	Ala	Ala	Gly	Phe	Gln	Pro	His	Lys	Gly	Ser	Gly	Ile	385	390	395
Ile	Gln	Thr	Thr	Asn	Arg	Tyr	Gly	Gln	Leu	Thr	Ile	Leu	His	Ser	Thr	405	410	415
Thr	Glu	Gln	Asp	Cys	Leu	Ala	Leu	Glu	Gly	Val	Arg	Thr	Pro	Val	Leu	420	425	430
Phe	Gly	Tyr	Thr	Met	Gln	Ser	Gly	Cys	Lys	Leu	Arg	Leu	Thr	Gly	Ala	435	440	445
Leu	Pro	Cys	Gln	Leu	Val	Ala	Gln	Lys	Val	Lys	Ser	Leu	Leu	Trp	Gly	450	455	460
Gln	Gly	Phe	Pro	Asp	Tyr	Val	Ala	Pro	Phe	Gly	Asn	Ser	Gln	Ala	Gln	465	470	475
Asp	Met	Leu	Asp	Trp	Val	Pro	Ile	His	Phe	Ile	Thr	Gln	Ser	Phe	Asn	485	490	495
Arg	Lys	Asp	Ser	Cys	Gln	Leu	Pro	Gly	Ala	Leu	Val	Ile	Glu	Val	Lys	500	505	510
Trp	Thr	Lys	Tyr	Gly	Ser	Leu	Leu	Asn	Pro	Gln	Ala	Lys	Ile	Val	Asn	515	520	525
Val	Thr	Ala	Asn	Leu	Ile	Ser	Ser	Ser	Phe	Pro	Glu	Ala	Asn	Ser	Gly	530	535	540
Asn	Glu	Arg	Thr	Ile	Leu	Ile	Ser	Thr	Ala	Val	Thr	Phe	Val	Asp	Val	545	550	555

Ser Ala Pro Ala Glu Ala Gly Phe Arg Ala Pro Pro Ala Ile Asn Ala
565 570 575

Arg Leu Pro Phe Asn Phe Phe Phe Pro Phe Val
580 585

<210> 1416

<211> 157

<212> PRT

<213> Homo sapiens

<400> 1416

Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
1 5 10 15

Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
20 25 30

Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
35 40 45

Pro Ser Thr Arg Pro Pro Gly Thr Pro Arg Ala Pro Gly Pro Ser Ser
50 55 60

Gly Pro Arg Pro Thr Pro Val Thr Asp Val Ala Val Leu Cys Val Cys
65 70 75 80

Asp Leu Ser Pro Ala Gln Cys Asp Ile Asn Cys Cys Cys Asp Pro Asp
85 90 95

Cys Ser Ser Val Asp Phe Ser Val Phe Ser Ala Cys Ser Val Pro Val
100 105 110

Val Thr Gly Asp Ser Gln Phe Cys Ser Gln Lys Ala Val Ile Tyr Ser
115 120 125

Leu Asn Phe Thr Ala Asn Pro Pro Gln Arg Val Phe Glu Leu Val Asp
130 135 140

Gln Ile Asn Pro Ser Ile Phe Cys Ile His Ile Thr Asn
145 150 155

<210> 1417

<211> 587

<212> PRT

<213> Homo sapiens

<400> 1417

Met 1	Arg	Pro	Arg	Gly 5	Leu	Pro	Pro	Leu	Leu 10	Val	Val	Leu	Leu	Gly 15	Cys
Trp	Ala	Ser	Val 20	Ser	Ala	Gln	Thr	Asp 25	Ala	Thr	Pro	Ala	Val 30	Thr	Thr
Glu	Gly	Leu 35	Asn	Ser	Thr	Glu	Ala 40	Ala	Leu	Ala	Thr	Phe 45	Gly	Thr	Phe
Pro	Ser 50	Thr	Arg	Pro	Pro	Gly 55	Thr	Pro	Arg	Ala	Pro 60	Gly	Pro	Ser	Ser
Gly 65	Pro	Arg	Pro	Thr	Pro 70	Val	Thr	Asp	Val	Ala 75	Val	Leu	Cys	Val	Cys 80
Asp	Leu	Ser	Pro	Ala 85	Gln	Cys	Asp	Ile	Asn 90	Cys	Cys	Cys	Asp	Pro 95	Asp
Cys	Ser	Ser	Val 100	Asp	Phe	Ser	Val	Phe 105	Ser	Ala	Cys	Ser	Val 110	Pro	Val
Val	Thr	Gly 115	Asp	Ser	Gln	Phe	Cys 120	Ser	Gln	Lys	Ala	Val 125	Ile	Tyr	Ser
Leu 130	Asn	Phe	Thr	Ala	Asn 135	Pro	Pro	Gln	Arg	Val	Phe 140	Glu	Leu	Val	Asp
Gln 145	Ile	Asn	Pro	Ser	Ile 150	Phe	Cys	Ile	His	Ile 155	Thr	Asn	Tyr	Lys	Pro 160
Ala	Leu	Ser	Phe 165	Ile	Asn	Pro	Glu	Val 170	Pro	Asp	Glu	Asn	Asn	Phe 175	Asp
Thr	Leu	Met	Lys 180	Thr	Ser	Asp	Gly	Phe 185	Thr	Leu	Asn	Ala	Glu 190	Ser	Tyr
Val	Ser	Phe 195	Thr	Thr	Lys	Leu	Asp 200	Ile	Pro	Thr	Ala	Ala 205	Lys	Tyr	Glu
Tyr	Gly 210	Val	Pro	Leu	Gln	Thr 215	Ser	Asp	Ser	Phe	Leu 220	Arg	Phe	Pro	Ser
Ser 225	Leu	Thr	Ser	Ser	Leu 230	Cys	Thr	Asp	Asn	Asn 235	Pro	Ala	Ala	Phe	Leu 240
Val	Asn	Gln	Ala	Val 245	Lys	Cys	Thr	Arg	Lys 250	Ile	Asn	Leu	Glu	Gln 255	Cys
Glu	Glu	Ile	Glu 260	Ala	Leu	Ser	Met	Ala 265	Phe	Tyr	Ser	Ser	Pro	Glu	Ile
Leu	Arg	Val	Pro	Asp	Ser	Arg	Lys	Lys	Val	Pro	Ile	Thr	Val	Gln	Ser

275					280					285						
Ile	Val	Ile	Gln	Ser	Leu	Asn	Lys	Thr	Leu	Thr	Arg	Arg	Glu	Asp	Thr	
290					295					300						
Asp	Val	Leu	Gln	Pro	Thr	Leu	Val	Asn	Ala	Gly	His	Phe	Ser	Leu	Cys	
305					310					315					320	
Val	Asn	Val	Val	Leu	Glu	Val	Lys	Tyr	Ser	Leu	Thr	Tyr	Thr	Asp	Ala	
					325					330					335	
Gly	Glu	Val	Thr	Lys	Ala	Asp	Leu	Ser	Phe	Val	Leu	Gly	Thr	Val	Ser	
					340					345					350	
Ser	Val	Val	Val	Pro	Leu	Gln	Gln	Lys	Phe	Glu	Ile	His	Phe	Leu	Gln	
					355					360					365	
Glu	Asn	Thr	Gln	Pro	Val	Pro	Leu	Ser	Gly	Asn	Pro	Gly	Tyr	Val	Val	
					370					375					380	
Gly	Leu	Pro	Leu	Ala	Ala	Gly	Phe	Gln	Pro	His	Lys	Gly	Ser	Gly	Ile	
385					390					395					400	
Ile	Gln	Thr	Thr	Asn	Arg	Tyr	Gly	Gln	Leu	Thr	Ile	Leu	His	Ser	Thr	
					405					410					415	
Thr	Glu	Gln	Asp	Cys	Leu	Ala	Leu	Glu	Gly	Val	Arg	Thr	Pro	Val	Leu	
					420					425					430	
Phe	Gly	Tyr	Thr	Met	Gln	Ser	Gly	Cys	Lys	Leu	Arg	Leu	Thr	Gly	Ala	
					435					440					445	
Leu	Pro	Cys	Gln	Leu	Val	Ala	Gln	Lys	Val	Lys	Ser	Leu	Leu	Trp	Gly	
450					455					460						
Gln	Gly	Phe	Pro	Asp	Tyr	Val	Ala	Pro	Phe	Gly	Asn	Ser	Gln	Ala	Gln	
465					470					475					480	
Asp	Met	Leu	Asp	Trp	Val	Pro	Ile	His	Phe	Ile	Thr	Gln	Ser	Phe	Asn	
					485					490					495	
Arg	Lys	Asp	Ser	Cys	Gln	Leu	Pro	Gly	Ala	Leu	Val	Ile	Glu	Val	Lys	
					500					505					510	
Trp	Thr	Lys	Tyr	Gly	Ser	Leu	Leu	Asn	Pro	Gln	Ala	Lys	Ile	Val	Asn	
					515					520					525	
Val	Thr	Ala	Asn	Leu	Ile	Ser	Ser	Ser	Phe	Pro	Glu	Ala	Asn	Ser	Gly	
530					535					540						
Asn	Glu	Arg	Thr	Ile	Leu	Ile	Ser	Thr	Ala	Val	Thr	Phe	Val	Asp	Val	
545					550					555					560	

Ser Ala Pro Ala Glu Ala Gly Phe Arg Ala Pro Pro Ala Ile Asn Ala
565 570 575

Arg Leu Pro Phe Asn Phe Phe Phe Pro Phe Val
580 585

<210> 1418
<211> 137
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1418
Met Val Glu Glu Pro Gly Arg Phe Leu Pro Leu Trp Leu His Ile Leu
1 5 10 15

Leu Ile Thr Val Leu Leu Val Leu Ser Gly Ile Phe Ser Gly Leu Asn
20 25 30

Leu Gly Leu Met Ala Leu Asp Pro Met Glu Leu Arg Ile Val Gln Asn
35 40 45

Cys Gly Thr Xaa Lys Glu Arg Arg Tyr Ala Arg Lys Ile Glu Pro Ile
50 55 60

Arg Arg Lys Gly Asn Tyr Leu Leu Cys Ser Leu Leu Leu Gly Asn Val
65 70 75 80

Leu Val Asn Thr Ser Leu Thr Ile Leu Leu Asp Asn Leu Ile Gly Ser
85 90 95

Gly Leu Met Ala Val Ala Ser Phe Thr Ile Gly Ile Cys His Leu Trp
100 105 110

Gly Asp Pro Thr Xaa Gly Pro Cys Ala Pro Arg His Gly Ala Trp Leu
115 120 125

Val Gly Cys Gln Xaa Pro Cys Phe Xaa
130 135

<210> 1419

<211> 157

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1419

Leu Lys Pro Phe Ser Gln Thr Pro Tyr Phe Glu Ser Pro Ser Phe Ser
1 5 10 15

Pro Ser Trp Gly Trp Arg Gln Glu Asp Met Trp Glu Ala Thr Glu Ala
20 25 30

Gly Ser Leu Cys Pro Leu Leu Cys Gly Trp Gln Gly Ser Pro Gly Leu
35 40 45

Ile His Pro Leu Met Glu Pro Gln Glu Arg Arg Ala Pro Pro Lys Gly
50 55 60

Met Gln Leu Ala Ala Pro Leu Ser His Thr Cys Asp Pro Ser Val Arg
65 70 75 80

Gly His Pro Ala Leu Ala Glu Val Ser Xaa Thr Val Leu Arg Ala Leu
85 90 95

Pro Ser Cys Glu Phe Leu Pro Trp Arg Leu Phe Pro Gly Ala Glu Ser
100 105 110

Gly Pro Ala Ala Lys Leu Gln Ala Ser Gln Gly Trp Gly Gly Cys Gly
115 120 125

Thr Lys Val His Val Gly Pro Ser Thr Gly Cys Ser Arg Ser Trp Val
130 135 140

Pro Arg Ala Trp Gln Val Lys Leu Cys Arg Pro Ser Ala
145 150 155

<210> 1420

<211> 631

<212> PRT

<213> Homo sapiens

<400> 1420

Met Lys Leu Tyr Ala Leu Cys Thr Arg Ala Gln Pro Asp Gly Pro Trp
1 5 10 15

Leu Lys Trp Thr Asp Lys Asp Ser Leu Leu Phe Met Val Glu Glu Pro
20 25 30

Gly Arg Phe Leu Pro Leu Trp Leu His Ile Leu Leu Ile Thr Val Leu
35 40 45

Leu Val Leu Ser Gly Ile Phe Ser Gly Leu Asn Leu Gly Leu Met Ala
50 55 60

Leu Asp Pro Met Glu Leu Arg Ile Val Gln Asn Cys Gly Thr Glu Lys
65 70 75 80

Glu Arg Arg Tyr Ala Arg Lys Ile Glu Pro Ile Arg Arg Lys Gly Asn
85 90 95

Tyr Leu Leu Cys Ser Leu Leu Leu Gly Asn Val Leu Val Asn Thr Ser
100 105 110

Leu Thr Ile Leu Leu Asp Asn Leu Ile Gly Ser Gly Leu Met Ala Val
115 120 125

Ala Ser Ser Thr Ile Gly Ile Val Ile Phe Gly Glu Ile Leu Pro Gln
130 135 140

Ala Leu Cys Ser Arg His Gly Leu Ala Val Gly Ala Asn Thr Ile Leu
145 150 155 160

Leu Thr Lys Phe Phe Met Leu Leu Thr Phe Pro Leu Ser Phe Pro Ile
165 170 175

Ser Lys Leu Leu Asp Phe Phe Leu Gly Gln Glu Ile Arg Thr Val Tyr
180 185 190

Asn Arg Glu Lys Leu Met Glu Met Leu Lys Val Thr Glu Pro Tyr Asn
195 200 205

Asp Leu Val Lys Glu Glu Leu Asn Met Ile Gln Gly Ala Leu Glu Leu
210 215 220

Arg Thr Lys Thr Val Glu Asp Ile Met Thr Gln Leu Gln Asp Cys Phe

225					230					235				240	
Met	Ile	Arg	Ser	Asp	Ala	Ile	Leu	Asp	Phe	Asn	Thr	Met	Ser	Glu	Ile
				245					250					255	
Met	Glu	Ser	Gly	Tyr	Thr	Arg	Ile	Pro	Val	Phe	Glu	Asp	Glu	Gln	Ser
			260					265					270		
Asn	Ile	Val	Asp	Ile	Leu	Tyr	Val	Lys	Asp	Leu	Ala	Phe	Val	Asp	Pro
		275					280					285			
Asp	Asp	Cys	Thr	Pro	Leu	Lys	Thr	Ile	Thr	Arg	Phe	Tyr	Asn	His	Pro
	290					295					300				
Val	His	Phe	Val	Phe	His	Asp	Thr	Lys	Leu	Asp	Ala	Met	Leu	Glu	Glu
305					310					315					320
Phe	Lys	Lys	Gly	Lys	Ser	His	Leu	Ala	Ile	Val	Gln	Lys	Val	Asn	Asn
				325					330					335	
Glu	Gly	Glu	Gly	Asp	Pro	Phe	Tyr	Glu	Val	Leu	Gly	Leu	Val	Thr	Leu
			340					345					350		
Glu	Asp	Val	Ile	Glu	Glu	Ile	Ile	Lys	Ser	Glu	Ile	Leu	Asp	Glu	Ser
		355					360					365			
Asp	Met	Tyr	Thr	Asp	Asn	Arg	Ser	Arg	Lys	Arg	Val	Ser	Glu	Lys	Asn
	370					375					380				
Lys	Arg	Asp	Phe	Ser	Ala	Phe	Lys	Asp	Ala	Asp	Asn	Glu	Leu	Lys	Val
385					390					395					400
Lys	Ile	Ser	Pro	Gln	Leu	Leu	Leu	Ala	Ala	His	Arg	Phe	Leu	Ala	Thr
				405					410					415	
Glu	Val	Ser	Gln	Phe	Ser	Pro	Ser	Leu	Ile	Ser	Glu	Lys	Ile	Leu	Leu
			420					425					430		
Arg	Leu	Leu	Lys	Tyr	Pro	Asp	Val	Ile	Gln	Glu	Leu	Lys	Phe	Asp	Glu
	435						440					445			
His	Asn	Lys	Tyr	Tyr	Ala	Arg	His	Tyr	Leu	Tyr	Thr	Arg	Asn	Lys	Pro
	450					455					460				
Ala	Asp	Tyr	Phe	Ile	Leu	Ile	Leu	Gln	Gly	Lys	Val	Glu	Val	Glu	Ala
465					470					475					480
Gly	Lys	Glu	Asn	Met	Lys	Phe	Glu	Thr	Gly	Ala	Phe	Ser	Tyr	Tyr	Gly
				485					490					495	
Thr	Met	Ala	Leu	Thr	Ser	Val	Pro	Ser	Asp	Arg	Ser	Pro	Ala	His	Pro
			500					505					510		

Thr Pro Leu Ser Arg Ser Ala Ser Leu Ser Tyr Pro Asp Arg Thr Asp
 515 520 525
 Val Ser Thr Ala Ala Thr Leu Ala Gly Ser Ser Asn Gln Phe Gly Ser
 530 535 540
 Ser Val Leu Gly Gln Tyr Ile Ser Asp Phe Ser Val Arg Ala Leu Val
 545 550 555 560
 Asp Leu Gln Tyr Ile Lys Ile Thr Arg Gln Gln Tyr Gln Asn Gly Leu
 565 570 575
 Leu Ala Ser Arg Met Glu Asn Ser Pro Gln Phe Pro Ile Asp Gly Cys
 580 585 590
 Thr Thr His Met Glu Asn Leu Ala Glu Lys Ser Glu Leu Pro Val Val
 595 600 605
 Asp Glu Thr Thr Thr Leu Leu Asn Glu Arg Asn Ser Leu Leu His Lys
 610 615 620
 Ala Ser His Glu Asn Ala Ile
 625 630

<210> 1421
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 1421
 Met Gly Val Arg Val Trp Glu Leu Pro Ala Gln Pro Thr Gly Leu His
 1 5 10 15
 Leu Leu Cys Phe Cys Thr Arg Thr Met Leu Leu Ala Leu Lys Leu Pro
 20 25 30
 Lys Thr Lys His Ser Phe Pro Asp Pro Tyr Thr Ser Ile Leu Ser Phe
 35 40 45
 Ile His Pro Ala Phe Thr Glu Asn Leu Thr Leu Cys Gln Val Ser Val
 50 55 60
 Phe Leu Ser Ser Ser Asn Thr Glu Met Asn Gln Met Phe His Gly Val
 65 70 75 80
 Ser Phe Arg

<210> 1422
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1422
 Met Met Ala Ser Ile Gln Ser Phe Ser Ala Met Ala Leu Leu Phe Tyr
 1 5 10 15
 Thr Val Phe Met Phe Val Ile Val Leu Ser Ser Leu Lys His Gly Leu
 20 25 30
 Phe Ser Gly Gln Trp Leu Arg Arg Val Ser Tyr Val Arg Trp Glu Gly
 35 40 45
 Val Phe Arg Cys Ile Pro Ile Phe Gly Met Ser Phe Ala Cys Gln Ser
 50 55 60
 Gln Val Leu Pro Thr Tyr Asp Ser Leu Asp Glu Pro Ser Val Lys Thr
 65 70 75 80
 Met Ser Ser Ile Phe Xaa Xaa Ser Leu Asn Val Val Xaa Xaa Phe Xaa
 85 90 95
 Val Met Val Gly Val Phe Arg
 100

<210> 1423
 <211> 384
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1423
 Gln Arg Gln Glu Asp Glu Glu Asp Lys Pro Arg Gln Val Glu Val His
 1 5 10 15
 Gln Glu Pro Gly Ala Ala Val Pro Arg Gly Gln Glu Ala Pro Glu Gly
 20 25 30
 Lys Ala Arg Glu Thr Val Glu Asn Leu Pro Pro Leu Pro Leu Asp Pro
 35 40 45
 Val Leu Arg Ala Pro Gly Gly Arg Pro Ala Pro Ser Gln Asp Leu Asn
 50 55 60
 Gln Arg Ser Leu Glu His Ser Glu Gly Pro Val Gly Arg Asp Pro Ala
 65 70 75 80
 Gly Pro Pro Asp Gly Gly Pro Asp Thr Glu Pro Arg Ala Ala Gln Xaa
 85 90 95
 Lys Leu Arg Asp Gly Gln Lys Asp Ala Ala Pro Arg Ala Ala Gly Thr
 100 105 110
 Val Lys Glu Leu Pro Lys Gly Pro Glu Gln Val Pro Val Pro Asp Pro
 115 120 125
 Ala Arg Xaa Ala Gly Gly Pro Glu Glu Arg Leu Ala Glu Glu Phe Pro
 130 135 140
 Gly Gln Ser Gln Asp Val Thr Gly Gly Ser Gln Asp Arg Lys Lys Pro
 145 150 155 160
 Gly Lys Glu Val Ala Ala Thr Gly Thr Ser Ile Leu Lys Glu Ala Asn
 165 170 175

Trp Leu Val Ala Gly Pro Gly Ala Glu Thr Gly Asp Pro Arg Met Lys
 180 185 190
 Pro Lys Gln Val Ser Arg Asp Leu Gly Leu Ala Ala Asp Leu Pro Gly
 195 200 205
 Gly Ala Glu Gly Ala Ala Ala Gln Pro Gln Ala Val Leu Arg Gln Pro
 210 215 220
 Glu Leu Arg Val Ile Ser Asp Gly Glu Gln Gly Gly Gln Gln Gly His
 225 230 235 240
 Arg Leu Asp His Gly Gly His Leu Glu Met Arg Lys Ala Arg Gly Gly
 245 250 255
 Asp His Val Pro Val Ser His Glu Gln Pro Arg Gly Gly Glu Asp Ala
 260 265 270
 Ala Val Gln Glu Pro Arg Gln Arg Pro Glu Pro Glu Leu Gly Leu Lys
 275 280 285
 Arg Ala Val Pro Gly Gly Gln Arg Pro Asp Asn Ala Lys Pro Asn Arg
 290 295 300
 Asp Leu Lys Leu Gln Ala Gly Ser Asp Leu Arg Arg Arg Arg Arg Asp
 305 310 315 320
 Leu Gly Pro His Ala Glu Gly Gln Leu Ala Pro Arg Asp Gly Val Ile
 325 330 335
 Ile Gly Leu Asn Pro Leu Pro Asp Val Gln Val Asn Asp Leu Arg Gly
 340 345 350
 Ala Leu Asp Ala Gln Leu Arg Gln Ala Ala Gly Gly Ala Leu Gln Val
 355 360 365
 Val His Ser Arg Gln Leu Arg Gln Ala Pro Gly Pro Pro Glu Glu Ser
 370 375 380

<210> 1424

<211> 973

<212> PRT

<213> Homo sapiens

<400> 1424

Met Met Ala Ser Ile Gln Ser Phe Ser Ala Met Ala Leu Leu Phe Tyr
 1 5 10 15

Thr	Val	Phe	Met	Phe	Val	Ile	Val	Leu	Ser	Ser	Leu	Lys	His	Gly	Leu			
			20					25					30					
Phe	Ser	Gly	Gln	Trp	Leu	Arg	Arg	Val	Ser	Tyr	Val	Arg	Trp	Glu	Gly			
		35					40					45						
Val	Phe	Arg	Cys	Ile	Pro	Ile	Phe	Gly	Met	Ser	Phe	Ala	Cys	Gln	Ser			
	50					55					60							
Gln	Val	Leu	Pro	Thr	Tyr	Asp	Ser	Leu	Asp	Glu	Pro	Ser	Val	Lys	Thr			
65					70					75					80			
Met	Ser	Ser	Ile	Phe	Ala	Ser	Ser	Leu	Asn	Val	Val	Thr	Thr	Phe	Tyr			
				85					90					95				
Val	Met	Val	Gly	Phe	Phe	Gly	Tyr	Val	Ser	Phe	Thr	Glu	Ala	Thr	Ala			
			100					105					110					
Gly	Asn	Val	Leu	Met	His	Phe	Pro	Ser	Asn	Leu	Val	Thr	Glu	Met	Leu			
		115					120					125						
Arg	Val	Gly	Phe	Met	Met	Ser	Val	Ala	Val	Gly	Phe	Pro	Met	Met	Ile			
	130					135					140							
Leu	Pro	Cys	Arg	Gln	Ala	Leu	Ser	Thr	Leu	Leu	Cys	Glu	Gln	Gln	Gln			
145					150					155					160			
Lys	Asp	Gly	Thr	Phe	Ala	Ala	Gly	Gly	Tyr	Met	Pro	Pro	Leu	Arg	Phe			
				165					170					175				
Lys	Ala	Leu	Thr	Leu	Ser	Val	Val	Phe	Gly	Thr	Met	Val	Gly	Gly	Ile			
			180					185					190					
Leu	Ile	Pro	Asn	Val	Glu	Thr	Ile	Leu	Gly	Leu	Thr	Gly	Ala	Thr	Met			
		195					200					205						
Gly	Ser	Leu	Ile	Cys	Phe	Ile	Cys	Pro	Ala	Leu	Ile	Tyr	Lys	Lys	Ile			
	210					215					220							
His	Lys	Asn	Ala	Leu	Ser	Ser	Gln	Val	Val	Leu	Trp	Val	Gly	Leu	Gly			
225					230					235					240			
Val	Leu	Val	Val	Ser	Thr	Val	Thr	Thr	Leu	Ser	Val	Ser	Glu	Glu	Val			
				245					250					255				
Pro	Glu	Asp	Leu	Ala	Glu	Glu	Ala	Pro	Gly	Gly	Arg	Leu	Gly	Glu	Ala			
			260				265						270					
Glu	Gly	Leu	Met	Lys	Val	Glu	Ala	Ala	Arg	Leu	Ser	Ala	Gln	Asp	Pro			
		275					280					285						

Val	Val	Ala	Val	Ala	Glu	Asp	Gly	Arg	Glu	Lys	Pro	Lys	Leu	Pro	Lys	
	290					295					300					
Glu	Arg	Glu	Glu	Leu	Glu	Gln	Ala	Gln	Ile	Lys	Gly	Pro	Val	Asp	Val	
305					310					315					320	
Pro	Gly	Arg	Glu	Asp	Gly	Lys	Glu	Ala	Pro	Glu	Glu	Ala	Gln	Leu	Asp	
				325					330					335		
Arg	Pro	Gly	Gln	Gly	Ile	Ala	Val	Pro	Val	Gly	Glu	Ala	His	Arg	His	
			340					345					350			
Glu	Pro	Pro	Val	Pro	His	Asp	Lys	Val	Val	Val	Asp	Glu	Gly	Gln	Asp	
		355					360					365				
Arg	Glu	Val	Pro	Glu	Glu	Asn	Lys	Pro	Pro	Ser	Arg	His	Ala	Gly	Gly	
	370					375					380					
Lys	Ala	Pro	Gly	Val	Gln	Gly	Gln	Met	Ala	Pro	Pro	Leu	Pro	Asp	Ser	
385					390					395					400	
Glu	Arg	Glu	Lys	Gln	Glu	Pro	Glu	Gln	Gly	Glu	Val	Gly	Lys	Arg	Pro	
				405					410					415		
Gly	Gln	Ala	Gln	Ala	Leu	Glu	Glu	Ala	Gly	Asp	Leu	Pro	Glu	Asp	Pro	
			420					425					430			
Gln	Lys	Val	Pro	Glu	Ala	Asp	Gly	Gln	Pro	Ala	Val	Gln	Pro	Ala	Lys	
		435					440					445				
Glu	Asp	Leu	Gly	Pro	Gly	Asp	Arg	Gly	Leu	His	Pro	Arg	Pro	Gln	Ala	
	450					455					460					
Val	Leu	Ser	Glu	Gln	Gln	Asn	Gly	Leu	Ala	Val	Gly	Gly	Gly	Glu	Lys	
465					470					475					480	
Ala	Lys	Gly	Gly	Pro	Pro	Pro	Gly	Asn	Ala	Ala	Gly	Asp	Thr	Gly	Gln	
				485				490						495		
Pro	Ala	Glu	Asp	Ser	Asp	His	Gly	Gly	Lys	Pro	Pro	Leu	Pro	Ala	Glu	
			500					505					510			
Lys	Pro	Ala	Pro	Gly	Pro	Gly	Leu	Pro	Pro	Glu	Pro	Arg	Glu	Gln	Arg	
		515					520					525				
Asp	Val	Glu	Arg	Ala	Gly	Gly	Asn	Gln	Ala	Ala	Ser	Gln	Leu	Glu	Glu	
	530					535					540					
Ala	Gly	Arg	Ala	Glu	Met	Leu	Asp	His	Ala	Val	Leu	Leu	Gln	Val	Ile	
545					550					555					560	
Lys	Glu	Gln	Gln	Val	Gln	Gln	Lys	Arg	Leu	Leu	Asp	Gln	Gln	Glu	Lys	

565										570					575				
Leu	Leu	Ala	Val	Ile	Glu	Glu	Gln	His	Lys	Glu	Ile	His	Gln	Gln	Arg				
			580					585					590						
Gln	Glu	Asp	Glu	Glu	Asp	Lys	Pro	Arg	Gln	Val	Glu	Val	His	Gln	Glu				
		595					600					605							
Pro	Gly	Ala	Ala	Val	Pro	Arg	Gly	Gln	Glu	Ala	Pro	Glu	Gly	Lys	Ala				
	610					615						620							
Arg	Glu	Thr	Val	Glu	Asn	Leu	Pro	Pro	Leu	Pro	Leu	Asp	Pro	Val	Leu				
625					630						635					640			
Arg	Ala	Pro	Gly	Gly	Arg	Pro	Ala	Pro	Ser	Gln	Asp	Leu	Asn	Gln	Arg				
				645					650					655					
Ser	Leu	Glu	His	Ser	Glu	Gly	Pro	Val	Gly	Arg	Asp	Pro	Ala	Gly	Pro				
			660					665					670						
Pro	Asp	Gly	Gly	Pro	Asp	Thr	Glu	Pro	Arg	Ala	Ala	Gln	Gly	Lys	Leu				
		675					680					685							
Arg	Asp	Gly	Gln	Lys	Asp	Ala	Ala	Pro	Arg	Ala	Ala	Gly	Thr	Val	Lys				
	690					695					700								
Glu	Leu	Pro	Lys	Gly	Pro	Glu	Gln	Val	Pro	Val	Pro	Asp	Pro	Ala	Arg				
705					710					715					720				
Glu	Ala	Gly	Gly	Pro	Glu	Glu	Arg	Leu	Ala	Glu	Glu	Phe	Pro	Gly	Gln				
				725					730					735					
Ser	Gln	Asp	Val	Thr	Gly	Gly	Ser	Gln	Asp	Arg	Lys	Lys	Pro	Gly	Lys				
			740					745						750					
Glu	Val	Ala	Ala	Thr	Gly	Thr	Ser	Ile	Leu	Lys	Glu	Ala	Asn	Trp	Leu				
		755					760						765						
Val	Ala	Gly	Pro	Gly	Ala	Glu	Thr	Gly	Asp	Pro	Arg	Met	Lys	Pro	Lys				
	770					775					780								
Gln	Val	Ser	Arg	Asp	Leu	Gly	Leu	Ala	Ala	Asp	Leu	Pro	Gly	Gly	Ala				
785					790					795					800				
Glu	Gly	Ala	Ala	Ala	Gln	Pro	Gln	Ala	Val	Leu	Arg	Gln	Pro	Glu	Leu				
				805					810					815					
Arg	Val	Ile	Ser	Asp	Gly	Glu	Gln	Gly	Gly	Gln	Gln	Gly	His	Arg	Leu				
			820					825					830						
Asp	His	Gly	Gly	His	Leu	Glu	Met	Arg	Lys	Ala	Arg	Gly	Gly	Asp	His				
		835					840					845							

Val Pro Val Ser His Glu Gln Pro Arg Gly Gly Glu Asp Ala Ala Val
 850 855 860
 Gln Glu Pro Arg Gln Arg Pro Glu Pro Glu Leu Gly Leu Lys Arg Ala
 865 870 875 880
 Val Pro Gly Gly Gln Arg Pro Asp Asn Ala Lys Pro Asn Arg Asp Leu
 885 890 895
 Lys Leu Gln Ala Gly Ser Asp Leu Arg Arg Arg Arg Arg Asp Leu Gly
 900 905 910
 Pro His Ala Glu Gly Gln Leu Ala Pro Arg Asp Gly Val Ile Gly Leu
 915 920 925
 Asn Pro Leu Pro Asp Val Gln Val Asn Asp Leu Arg Gly Ala Leu Asp
 930 935 940
 Ala Gln Leu Arg Gln Ala Ala Gly Gly Ala Leu Gln Val Val His Ser
 945 950 955 960
 Arg Gln Leu Arg Gln Ala Pro Gly Pro Pro Glu Glu Ser
 965 970

<210> 1425

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1425

Met Tyr Leu Gln Ile Pro Val Lys His Met Leu His Ser Gly Tyr Gln
 1 5 10 15

Ala Thr Phe Phe Ser Pro Lys Ile Gly Cys Ser Ser Ile Leu Val Phe

20	25	30
Val Cys Leu Leu Val Phe Leu Arg Gln Ser Leu Ala Leu Leu Pro Arg		
35	40	45
Leu Glu Tyr Ser Gly Ala Ile Leu Ala His Cys Asn Leu His Leu Leu		
50	55	60
Gly Ser Ser Asp Ser Pro Ala Ser Ala Ser Pro Val Ala Gly Ile Thr		
65	70	75
Gly Met His His His Thr Gln Leu Xaa Phe Cys Thr Phe Ser Arg Xaa		
85	90	95
Gly Ile Tyr Gln Leu Ala Ser Xaa Ser Pro Asn Pro Asp Leu		
100	105	110

<210> 1426
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1426
Phe Asn Thr Pro Lys Ile Phe Phe Gly Thr Tyr His Arg Gln Gly Thr
1 5 10 15
Leu Ile Ser Thr Gly Asp Thr Ile Ser Cys Leu Gly Leu Leu Cys Ser
20 25 30
Ser Ala Ala Arg Glu Gly Ile Ala Ile Cys Arg Ile Leu Lys Lys His
35 40 45
Lys His Lys Gly Ala Lys Leu Tyr Ile
50 55

<210> 1427
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 1427
Met Leu His Ser Gly Tyr Gln Ala Thr Phe Phe Ser Pro Lys Ile Gly
1 5 10 15
Cys Ser Ser Ile Leu Val Phe Val Cys Leu Leu Val Phe Leu Arg Gln
20 25 30
Ser Leu Ala Leu Leu Pro Arg Leu Glu Tyr Ser Gly Ala Ile Leu Ala

35 40 45
 His Cys Asn Leu His Leu Leu Gly Ser Ser Asp Ser Pro Ala Ser Ala
 50 55 60
 Ser Pro Val Ala Gly Ile Thr Gly Met His His His Thr Gln Leu Phe
 65 70 75 80
 Phe Cys Thr Phe Ser Arg Asp Gly Ile Leu Pro Cys Trp Pro Gly Trp
 85 90 95
 Ser Pro Thr Pro Asp Leu Arg Gln Ser Thr Leu Leu Ser Leu Pro Lys
 100 105 110
 Cys Trp Asp Tyr Arg His Glu Pro Leu Arg Pro Ala Gln Ala Phe
 115 120 125

<210> 1428
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1428
 Met Phe Ile Pro Gln Leu Pro Ala Leu Gly Leu Thr Ser Leu Met Met
 1 5 10 15
 Ala Ile Ser Leu Asn Val Ser Val Ser Gln Gly Leu Ser Ser Ala Cys
 20 25 30
 Met His Leu Arg Met Gln Ala Cys Lys Pro Thr Arg Val Gln Ala Lys
 35 40 45
 Val Leu Gly Asp Trp Val Gln Glu Asn His Val Ile Glu Asn Gly Ala
 50 55 60
 Thr Leu Arg Pro Trp Gln Asp Pro Leu His Asp Lys Tyr Arg Met Lys
 65 70 75 80

<210> 1429
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1429

His	Phe	Ser	Phe	Trp	Phe	Ile	His	Phe	Pro	His	Phe	His	Leu	Lys	Ile
1				5					10					15	

Leu	Thr	Lys	Cys	Leu	Ala	Glu	Phe	Ser	Lys	Tyr	Asn	Asn	Phe	Thr	Leu
			20					25					30		

Pro	Ala	Asp	Asn	Glu	Xaa	Ile	Arg	Val	Gln	Asn	Pro	Phe	Gln	Leu	Ser
		35					40					45			

Lys	His	Leu	Leu	Ser	Leu	Tyr	Phe	Val	Ser	Asp	Thr	Gly	Val	Lys	Phe
	50					55					60				

Trp	Lys	Cys	Lys	Arg	Asn	Leu	His	Leu
65					70			

<210> 1430

<211> 80

<212> PRT

<213> Homo sapiens

<400> 1430

Met	Phe	Ile	Pro	Gln	Leu	Pro	Ala	Leu	Gly	Leu	Thr	Ser	Leu	Met	Met
1				5					10					15	

Ala	Ile	Ser	Leu	Asn	Val	Ser	Val	Ser	Gln	Gly	Leu	Ser	Ser	Ala	Cys
			20					25					30		

Met	His	Leu	Arg	Met	Gln	Ala	Cys	Lys	Pro	Thr	Arg	Val	Gln	Ala	Lys
		35					40				45				

Val	Leu	Gly	Asp	Trp	Val	Gln	Glu	Asn	His	Val	Ile	Glu	Asn	Gly	Ala
	50					55					60				

Thr	Leu	Arg	Pro	Trp	Gln	Asp	Pro	Leu	His	Asp	Lys	Tyr	Arg	Met	Lys
65					70					75					80

<210> 1431

<211> 26

<212> PRT

<213> Homo sapiens

<400> 1431

Met Leu Arg Trp His Leu Trp Ser Trp Phe Cys Trp Phe Cys Leu Ser
1 5 10 15

Glu Ala Gly Val Leu Leu Asp Leu Pro Thr
20 25

<210> 1432

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1432

Xaa Met Ser Arg Gln His Arg Leu Asn Pro His Gly Pro Asp Pro Ala
1 5 10 15

Ala Pro His Arg Ala Cys Arg Leu Xaa Ser Pro Arg Gln Val Thr Trp
20 25 30

Leu Thr Pro Ala Glu Ala Leu Pro Leu Xaa Pro Cys Pro Ser Gln Cys
35 40 45

Gly Ala His Cys Arg Gln His Gly Pro Glu Arg Glu Gly Ser Ala Xaa
50 55 60

Pro Ala Ala Leu Leu Arg Pro Gly Leu Pro Val Phe Gly His Xaa Leu
65 70 75 80

Arg Leu Ser Gln

<210> 1433

<211> 26

<212> PRT

<213> Homo sapiens

<400> 1433

Met Leu Arg Trp His Leu Trp Ser Trp Phe Cys Trp Phe Cys Leu Ser
1 5 10 15

Glu Ala Gly Val Leu Leu Asp Leu Pro Thr
20 25

<210> 1434

<211> 139

<212> PRT

<213> Homo sapiens

<400> 1434

Met Ala Leu Arg Met Leu Trp Ala Gly Gln Ala Lys Gly Ile Leu Gly
1 5 10 15

Gly Trp Gly Ile Ile Cys Leu Val Met Ser Leu Leu Leu Gln His Pro
20 25 30

Gly Val Tyr Ser Lys Cys Tyr Phe Gln Ala Gln Ala Pro Cys His Tyr
35 40 45

Glu Gly Lys Tyr Phe Thr Leu Gly Glu Ser Trp Leu Arg Lys Asp Cys
50 55 60

Phe His Cys Thr Cys Leu His Pro Val Gly Val Gly Cys Cys Asp Thr
65 70 75 80

Ser Gln His Pro Ile Asp Phe Pro Ala Gly Cys Glu Val Arg Gln Glu
85 90 95

Ala Gly Thr Cys Gln Phe Ser Leu Val Gln Lys Ser Asp Pro Arg Leu
100 105 110

Pro Cys Lys Gly Gly Gly Pro Asp Pro Glu Trp Gly Ser Ala Asn Thr
115 120 125

Pro Val Pro Gly Ala Pro Ala Pro His Ser Ser
 130 135

<210> 1435
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 1435
 Met Ala Leu Arg Met Leu Trp Ala Gly Gln Ala Lys Gly Ile Leu Gly
 1 5 10 15
 Gly Trp Gly Ile Ile Cys Leu Val Met Ser Leu Leu Leu Gln His Pro
 20 25 30
 Gly Val Tyr Ser Lys Cys Tyr Phe Gln Ala Gln Ala Pro Cys His Tyr
 35 40 45
 Glu Gly Lys Tyr Phe Thr Leu Gly Glu Ser Trp Leu Arg Lys Asp Cys
 50 55 60
 Phe His Cys Thr Cys Leu His Pro Val Gly Val Gly Cys Cys Asp Thr
 65 70 75 80
 Ser Gln His Pro Ile Asp Phe Pro Ala Gly Cys Glu Val Arg Gln Glu
 85 90 95
 Ala Gly Thr Cys Gln Phe Ser Leu Val Gln Lys Ser Asp Pro Arg Leu
 100 105 110
 Pro Cys Lys Gly Gly Gly Pro Asp Pro Glu Trp Gly Ser Ala Asn Thr
 115 120 125
 Pro Val Pro Gly Ala Pro Ala Pro His Ser Ser
 130 135

<210> 1436
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1436
 Met Phe Asp Arg Cys Arg Val Thr Ser Cys Ser Cys Thr Cys Gly Ala
 1 5 10 15
 Gly Ala Lys Trp Cys Thr His Val Val Ala Leu Cys Leu Phe Arg Ile
 20 25 30

His Asn Ala Ser Ala Val Cys Leu Arg Ala Pro Val Ser Glu Ser Leu
35 40 45
Ser Arg Leu Gln Arg Asp Gln Leu Gln Lys Phe Ala Gln Tyr Leu Ile
50 55 60
Ser Glu Leu Pro Gln Gln Val Gly Glu Val Gly Thr Pro Ser Cys Asn
65 70 75 80

<210> 1437
<211> 145
<212> PRT
<213> Homo sapiens

<400> 1437
Asp Pro Ser Gly Ser Phe Met Gly Arg Ser Val Met Met Arg Ile Leu
1 5 10 15
Gly Ser Pro Val Phe Phe Pro Met His Asp Thr Ser Val Cys Leu Thr
20 25 30
Tyr Pro Asn Phe Tyr Thr Val Val Ser Pro Thr Gly Ser Arg Pro Pro
35 40 45
Ser Arg Asn Trp Asn Ser Glu Thr Pro Gly Asp Glu Glu Leu Gly Phe
50 55 60
Glu Ala Ala Val Ala Ala Leu Gly Met Lys Thr Thr Val Ser Glu Ala
65 70 75 80
Glu His Pro Leu Leu Cys Glu Gly Thr Arg Arg Glu Lys Gly Asp Leu
85 90 95
Ala Leu Ala Leu Met Ile Thr Tyr Lys Asp Asp Gln Ala Lys Leu Lys
100 105 110
Lys Lys Ile Ser Arg Ala Trp Trp Arg Ala Pro Val Val Pro Ala Thr
115 120 125
Arg Glu Ala Glu Val Gly Glu Leu Leu Glu Pro Arg Ser Leu Arg Leu
130 135 140
Gln
145

<210> 1438
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1438
 Met Phe Asp Arg Cys Arg Val Thr Ser Cys Ser Cys Thr Cys Gly Ala
 1 5 10 15
 Gly Ala Lys Trp Cys Thr His Val Val Ala Leu Cys Leu Phe Arg Ile
 20 25 30
 His Asn Ala Ser Ala Val Cys Leu Arg Ala Pro Val Ser Glu Ser Leu
 35 40 45
 Ser Arg Leu Gln Arg Asp Gln Leu Gln Lys Phe Ala Gln Tyr Leu Ile
 50 55 60
 Ser Glu Leu Pro Gln Gln Val Gly Glu Val Gly Thr Pro Ser Cys Asn
 65 70 75 80

<210> 1439
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1439
 Met Ala Ser Gln Val Pro Ser Ser Pro Phe Gln Ser Phe Phe Val Phe
 1 5 10 15
 Val Phe Val Phe Leu Arg Pro Ser His Ser Val Ala Gln Ala Gly Val
 20 25 30
 Pro Leu His Phe Tyr Phe Phe Ile Gln Gln Val Leu Ile Lys Cys Ala
 35 40 45
 Leu Tyr Gln Val Leu Ser Ser Xaa Leu Gly Tyr Asn Gly Asp Gln Gly
 50 55 60
 Asp Cys Arg Phe Trp Gln Gly Lys Leu Thr Ser Asn Thr Ala Thr Arg
 65 70 75 80

His Ser Glu Thr Leu Ser Leu Leu Glu Glu Leu
85 90

<210> 1440
<211> 137
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1440
Met Ser Ala Lys Gln Val Thr Ser Gln Ser Ser Leu Ser Glu Asn Asp
1 5 10 15
Gly Phe Gln Ala Phe Val Trp Trp Leu Leu Gly Ile Gly Ala Leu Thr
20 25 30
Phe Ala Leu Leu Met Ser Ala Arg Met Gly Ile Phe Gln Glu Thr Leu
35 40 45
Tyr Lys Arg Phe Gly Lys His Ser Lys Glu Ala Leu Phe Tyr Asn His
50 55 60
Ala Leu Pro Leu Pro Gly Phe Val Phe Leu Ala Ser Asp Ile Tyr Asp
65 70 75 80
His Ala Val Leu Phe Asn Lys Ser Glu Leu Tyr Glu Ile Pro Val Ile
85 90 95
Gly Val Thr Leu Pro Ile Met Trp Phe Tyr Leu Leu Met Asn Ile Ile
100 105 110
Thr Gln Tyr Val Cys Ile Arg Gly Val Phe Ile Leu Thr Thr Gly Met
115 120 125
Arg Leu Pro Xaa Arg His Ala Arg Ser
130 135

<210> 1441
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1441

Pro Tyr Pro Phe Cys Xaa Pro Ser Pro Phe Pro Ser Ser Ala Ala Pro
1 5 10 15

His Ser Gln Ser Asp Ala Ala Gly Thr Thr Ile Thr Arg Ser Gly Gln
20 25 30

Val Asn Arg Asp Thr Ser Asn Ser Arg Ala Gly Leu Pro Pro Ala Phe
35 40 45

Trp Glu Gly Lys Arg Cys Ser Pro Glu Leu Ile Pro Ser Asp Ser Ala
50 55 60

Ala Arg Leu Val Gly Leu Leu Phe Pro Thr Phe Cys Phe Phe Phe Phe
65 70 75 80

Leu Cys Lys Ser Gln Met Leu Leu Ser Ile Ala Phe Cys Asp
85 90

<210> 1442

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1442

Met Gly Phe Ser Gly Pro Ala Leu Leu Phe Pro Ile Phe Leu Leu His
1 5 10 15

Ser Ala Ser Ser Met Leu Ser His Thr Ser Thr Ile Val Gln Thr Asn
20 25 30

Lys Gln Thr Glu Glu Arg Lys Asp Gly Glu Phe Cys Asn Arg Ala Ala
35 40 45

Lys Ser Gln Ser Lys Gln Glu Glu Val Glu Gly Thr Lys Thr Asn Lys
50 55 60

Gln Arg Cys Leu Asp Tyr Ser Thr Val Asp Met Pro Ser Ile Leu Ala
65 70 75 80

Cys Ala Pro Leu Ser Ile Thr Gly His Asn Ser Glu Glu Val Gln Ile
85 90 95

Lys Trp Cys Leu Phe Val Cys Xaa
100

<210> 1443
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1443
Met Gly Phe Ser Gly Pro Ala Leu Leu Phe Pro Ile Phe Leu Leu His
1 5 10 15
Ser Ala Ser Ser Met Leu Ser His Thr Ser Thr Ile Val Gln Thr Asn
20 25 30
Lys Gln Thr Glu Glu Arg Lys Asp Gly Glu Phe Cys Asn Arg Ala Ala
35 40 45
Lys Ser Gln Ser Lys Gln Glu Glu Val Glu Gly Thr Lys Thr Asn Lys
50 55 60
Gln Arg Cys Leu Asp Tyr Ser Thr Val Asp Met Pro Ser Ile Leu Ala
65 70 75 80
Cys Ala Pro Leu Ser Ile Thr Gly His Asn Ser Glu Glu Val Gln Ile
85 90 95
Lys Trp Cys Leu Phe Val Cys Xaa
100

<210> 1444
<211> 88
<212> PRT
<213> Homo sapiens

<400> 1444
Met Trp Gly Glu Pro Gly Gly Arg Val Ser Ala Leu Ala Gln Val Ser
1 5 10 15
Ala Gly Tyr Ala Pro Ser Gly Ser Gln Lys Cys Phe Leu Gln Gly Leu
20 25 30

Arg Val Leu Leu Leu Val Val Gln Leu Ser Ala Pro His Leu Cys Pro
 35 40 45
 Asn Pro Asn Ser Cys Gln Val Leu Ala Ser Tyr Phe Ser Cys Leu Tyr
 50 55 60
 Ser Tyr Trp Asp Thr Ile Glu Ser Pro Arg Ala Val Gly Ser His Leu
 65 70 75 80
 Arg Gly Arg Tyr Ile Gly Ser Ser
 85

<210> 1445
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1445
 Ser Gln Arg Ser Gly Arg Leu Arg Gln Glu Asp His Leu Arg Ser Gly
 1 5 10 15
 Val Gln Cys Gly Gln His Ser Lys Thr Leu Ser Leu Gln Lys Asn Leu
 20 25 30
 Lys Leu Ser Trp His Trp Trp Arg Met Ala Val Val Pro Ala Thr Trp
 35 40 45
 Glu Val Glu Val Gly Gly Ser Leu Glu Pro Arg Ser Ser Ser Leu Gln
 50 55 60

<210> 1446
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 1446
 Met Trp Gly Glu Pro Gly Gly Arg Val Ser Ala Leu Ala Gln Val Ser
 1 5 10 15
 Ala Gly Tyr Ala Pro Ser Gly Ser Gln Lys Cys Phe Leu Gln Gly Leu
 20 25 30
 Arg Val Leu Leu Leu Val Val Gln Leu Ser Ala Pro His Leu Cys Pro
 35 40 45

Asn Pro Asn Ser Cys Gln Val Leu Ala Ser Tyr Phe Ser Cys Leu Tyr
50 55 60

Ser Tyr Trp Asp Thr Ile Glu Ser Pro Arg Ala Val Gly Ser His Leu
65 70 75 80

Arg Gly Arg Tyr Ile Gly Ser Ser
85

<210> 1447

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1447

Met Ala Ser His Ser Phe Leu Leu Asp Ile Tyr Leu Val Leu Ser Leu
1 5 10 15

Trp Lys Cys Ile Pro Gly Leu Val Gln Asp Val Phe Leu Glu Met Lys
20 25 30

Val Leu Thr Glu Ser Ala Leu Cys Lys Val Met Thr Leu Glu Pro Leu
35 40 45

Gln His Ser Val Leu Val Phe Arg Cys Trp Gln Ser Xaa Phe Gln Ala
50 55 60

Lys Ser Ser Arg Pro Cys Gln Ala Ser Ile Phe Ala Tyr Tyr Thr Leu
65 70 75 80

Asn Phe

<210> 1448

<211> 82

<212> PRT

<213> Homo sapiens

<400> 1448

Met Ala Ser His Ser Phe Leu Leu Asp Ile Tyr Leu Val Leu Ser Leu
1 5 10 15

Trp Lys Cys Ile Pro Gly Leu Val Gln Asp Val Phe Leu Glu Met Lys

	20		25		30	
Val	Leu	Thr	Glu	Ser	Ala	Leu
	35					Cys
						Lys
						Val
						Met
						Thr
						Leu
						Glu
						Pro
						Leu

Gln	His	Ser	Val	Leu	Val	Phe
	50					Arg
						Cys
						Trp
						Gln
						Ser
						Pro
						Phe
						Gln
						Ala

Lys	Ser	Ser	Arg	Pro	Cys	Gln
	65					Ala
						Ser
						Ile
						Phe
						Ala
						Tyr
						Tyr
						Thr
						Leu

	70		75		80
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Asn Phe

<210> 1449

<211> 103

<212> PRT

<213> Homo sapiens

<400> 1449

Met	Gln	Ser	Phe	His	His	Pro	Leu	Arg	Ile	Leu	Leu	Trp	Leu	Pro	Leu
1				5					10					15	

Val	Thr	Lys	Lys	Ser	Leu	Cys	Pro	Val	His	Lys	Thr	Met	Thr	Gln	Leu
			20					25					30		

Ser	Leu	Val	Leu	Ala	Ser	Leu	Ser	Asn	Ser	Leu	Ser	Phe	Gly	Tyr	Pro
	35							40				45			

Gly	Phe	Val	Arg	Ala	Asn	Arg	Gln	Thr	Ser	Leu	Ile	Gly	Glu	Phe	Leu
	50					55					60				

Gly	Gly	Gly	Gly	Trp	His	Ala	Phe	Ala	Tyr	Cys	Phe	Leu	Ser	Ala	Glu
	65				70					75					80

Asn	Ala	Ser	Leu	Ser	Leu	Ala	Val	Ser	Ala	Thr	Pro	Pro	Asp	Leu	Val
					85				90					95	

Ser	Leu	Ile	Cys	Leu	Ser	Gln
						100

<210> 1450

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1450

Ala	Ala	Met	Arg	Trp	Arg	Trp	Trp	Gln	Arg	Leu	Leu	Pro	Trp	Arg	Leu
1				5				10						15	

Leu	Gln	Ala	Arg	Gly	Phe	Pro	Gln	Asn	Ser	Ala	Pro	Ser	Leu	Gly	Leu
			20					25					30		

Xaa	Ala	Arg	Thr	Tyr	Ser	Gln	Gly	Asp	Cys	Ser	Tyr	Ser	Arg	Thr	Ala
		35					40					45			

Leu	Leu
	50

<210> 1451

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1451

Met Arg Trp Arg Trp Trp Gln Arg Leu Leu Pro Trp Arg Leu Leu Gln
1 5 10 15

Ala Arg Gly Phe Pro Gln Asn Ser Ala Pro Ser Leu Gly Leu Xaa Ala
20 25 30

Arg Thr Tyr Ser Gln Gly Asp Cys Ser Tyr Ser Arg Thr Ala Leu Tyr
35 40 45

Asp Leu Leu Gly Val Pro Ser Thr Ala Thr Gln Ala Gln Ile Lys Ala
50 55 60

Ala Tyr Tyr Arg Gln Cys Phe Leu Tyr His Pro Asp Arg Asn Ser Gly
65 70 75 80

Ser Ala Glu Ala Ala Glu Arg Phe Thr Arg Ile Ser Gln Ala Tyr Val
85 90 95

Val Leu Gly Ser Ala Pro Ser Val Ala Ser Met Ile Ala Ala Tyr Ser
100 105 110

Ala Thr Xaa Xaa Cys Ala Asp Leu Ala Xaa Gly Leu Gln Xaa Xaa Arg
115 120 125

His Pro
130

<210> 1452

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1452

Leu Asn Pro Trp Pro Leu Ile Val Tyr Leu Cys Trp Asp Pro Lys Glu
1 5 10 15

Leu Tyr Ser Pro Cys Pro Pro Arg Pro Ala Gln Leu Ser Arg
20 25 30

<210> 1453

<211> 226

<212> PRT

<213> Homo sapiens

<400> 1453

Met Ala Ala Met Arg Trp Arg Trp Trp Gln Arg Leu Leu Pro Trp Arg

1	5	10	15
Leu Leu Gln Ala Arg Gly Phe Pro Gln Asn Ser Ala Pro Ser Leu Gly	20	25	30
Leu Gly Ala Arg Thr Tyr Ser Gln Gly Asp Cys Ser Tyr Ser Arg Thr	35	40	45
Ala Leu Tyr Asp Leu Leu Gly Val Pro Ser Thr Ala Thr Gln Ala Gln	50	55	60
Ile Lys Ala Ala Tyr Tyr Arg Gln Cys Phe Leu Tyr His Pro Asp Arg	65	70	75
Asn Ser Gly Ser Ala Glu Ala Ala Glu Arg Phe Thr Arg Ile Ser Gln	85	90	95
Ala Tyr Val Val Leu Gly Ser Ala Thr Leu Arg Arg Lys Tyr Asp Arg	100	105	110
Gly Leu Leu Ser Asp Glu Asp Leu Arg Gly Pro Gly Val Arg Pro Ser	115	120	125
Arg Thr Pro Ala Pro Asp Pro Gly Ser Pro Arg Thr Pro Pro Pro Thr	130	135	140
Ser Arg Thr His Asp Gly Ser Arg Ala Ser Pro Gly Ala Asn Arg Thr	145	150	155
Met Phe Asn Phe Asp Ala Phe Tyr Gln Ala His Tyr Gly Glu Gln Leu	165	170	175
Glu Arg Glu Arg Arg Leu Arg Ala Arg Arg Glu Ala Leu Arg Lys Arg	180	185	190
Gln Glu Tyr Arg Ser Met Lys Gly Leu Arg Trp Glu Asp Thr Arg Asp	195	200	205
Thr Ala Ala Ile Phe Leu Ile Phe Ser Ile Phe Ile Ile Ile Gly Phe	210	215	220
Tyr Ile			
225			

<210> 1454

<211> 302

<212> PRT

<213> Homo sapiens

<400> 1454

275	280	285
Thr Asp Leu Thr Arg Thr Gly Pro Pro Ser Ala Thr Leu Gly		
290	295	300

<210> 1455
 <211> 76
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1455
 Met Gly Pro Phe Phe Pro Tyr Ser Leu Leu Xaa Phe Phe Pro Cys Ser
 1 5 10 15
 Phe Ser Ser Pro Ser Phe Ile Phe Leu Leu Leu Ile Leu Lys Thr Gly
 20 25 30
 Cys Ser Leu Phe Pro Cys Cys Pro Ile Ser Pro Leu Cys Pro Tyr Phe
 35 40 45
 Ser Gln Ser Leu Ser Pro Leu Lys Ser Arg Ala Gly Arg Cys Tyr Trp
 50 55 60
 Cys Phe Phe Thr Leu Gly Pro Ser Ser Tyr Leu Leu
 65 70 75

<210> 1456
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 1456
 Thr Leu Thr Gln His Gln Gly Ala His Leu Gly Pro Phe Leu Asp Met
 1 5 10 15
 Ser Phe Leu His Tyr His Ser His Glu Pro Pro Thr Ser Gly Ile Ala
 20 25 30
 Asp Gln Gly Trp Gly Glu Asn Val Ala Cys Cys Phe Leu Val Leu Val
 35 40 45
 Ile Ile Tyr Leu Asn Lys Gln Cys Cys Lys Tyr Leu Pro
 50 55 60

<210> 1457
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1457
 Met Arg Leu Ser Cys Pro Arg Xaa Pro Gly Trp Met Gly Pro Phe Phe
 1 5 10 15
 Pro Tyr Ser Leu Leu Ser Phe Phe Pro Cys Ser Phe Ser Ser Pro Ser
 20 25 30
 Phe Ile Phe Leu Leu Leu Ile Leu Lys Thr Gly Cys Ser Leu Phe Pro
 35 40 45
 Cys Cys Pro Ile Ser Pro Leu Cys Pro Tyr Phe Ser Gln Ser Leu Ser
 50 55 60
 Pro Leu Lys Ser Arg Ala Gly Arg Cys Tyr Trp Cys Phe Phe Thr Leu
 65 70 75 80
 Gly Pro Ser Ser Ile Phe Val Phe Ser Val Tyr Pro Leu Pro Asp Thr
 85 90 95
 Ser Phe Ser Pro Ser Leu Gly Pro Lys Ala Glu Asn Gln Cys
 100 105 110

<210> 1458
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1458
 Met Gly Pro Phe Phe Pro Tyr Ser Leu Leu Ser Phe Phe Pro Cys Ser
 1 5 10 15
 Phe Ser Ser Pro Ser Phe Ile Phe Leu Leu Leu Ile Leu Lys Thr Gly
 20 25 30
 Cys Ser Leu Phe Pro Cys Cys Pro Ile Ser Pro Leu Cys Pro Tyr Phe
 35 40 45

Ser Gln Ser Leu Ser Pro Leu Lys Ser Arg Ala Gly Arg Cys Tyr Trp
 50 55 60

Cys Phe Phe Thr Leu Gly Pro Ser Ser Ile Phe Val Phe Ser Val Tyr
 65 70 75 80

Pro Leu Pro Asp Thr Ser Phe Ser Pro Ser Leu Gly Pro Lys Ala Glu
 85 90 95

Asn Gln Cys

<210> 1459

<211> 98

<212> PRT

<213> Homo sapiens

<400> 1459

Met Phe Ile Cys Phe Leu Thr Leu Leu Thr Pro Gly Phe Ser Leu Ser
 1 5 10 15

Leu Arg Arg Lys His Tyr Leu Ile Thr Phe Arg Trp Phe Thr Tyr Ser
 20 25 30

Val Lys Asn Met Cys Lys Tyr Phe Val Gln Ser Pro Val Ser Asn Lys
 35 40 45

Gln Pro Tyr Val Val Thr Asn His Leu Phe Cys His Ser Val Leu Gly
 50 55 60

His Arg Ser Val Gly Met Val Ser Asp Leu Asp Ala Pro Thr Phe His
 65 70 75 80

Val Arg Pro Arg Thr Val Pro Trp Ser Val Asp Ser Trp Ser Ala Leu
 85 90 95

Thr Gly

<210> 1460

<211> 98

<212> PRT

<213> Homo sapiens

<400> 1460

Met Phe Ile Cys Phe Leu Thr Leu Leu Thr Pro Gly Phe Ser Leu Ser
 1 5 10 15

Leu Arg Arg Lys His Tyr Leu Ile Thr Phe Arg Trp Phe Thr Tyr Ser
 20 25 30
 Val Lys Asn Met Cys Lys Tyr Phe Val Gln Ser Pro Val Ser Asn Lys
 35 40 45
 Gln Pro Tyr Val Val Thr Asn His Leu Phe Cys His Ser Val Leu Gly
 50 55 60
 His Arg Ser Val Gly Met Val Ser Asp Leu Asp Ala Pro Thr Phe His
 65 70 75 80
 Val Arg Pro Arg Thr Val Pro Trp Ser Val Asp Ser Trp Ser Ala Leu
 85 90 95
 Thr Gly

<210> 1461
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 1461
 Met Leu Val Leu Val Ser Gly Ile Ile Phe Ser Leu Ala Asp Arg Ser
 1 5 10 15
 Ser Ser Ser Thr Ile Arg Met Asp Ala Leu Ala Phe Leu Gln Gly Leu
 20 25 30
 Leu

<210> 1462
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 1462
 Met Leu Val Leu Val Ser Gly Ile Ile Phe Ser Leu Ala Asp Arg Ser
 1 5 10 15
 Ser Ser Ser Thr Ile Arg Met Asp Ala Leu Ala Phe Leu Gln Gly Leu
 20 25 30
 Leu Gly Thr Glu Pro Ala Glu Ala Phe His Pro His Leu Pro Ile Leu
 35 40 45

Leu Pro Pro Val Met Ala Cys Val Ala Asp Pro Phe Tyr Lys Ile Ala
50 55 60

Ala Arg Gly Pro Gly Gly Ala Ala Gly Ala Gly Ala Gly Pro Val Ala
65 70 75 80

Ala Ala Gln Ala Ser Asp Ala Gly Ser
85

<210> 1463

<211> 125

<212> PRT

<213> Homo sapiens

<400> 1463

Met Tyr Phe Ile Phe Thr Ser Phe Trp Ala Tyr Lys Ile Tyr Tyr Val
1 5 10 15

Tyr Gly Phe Met Met Leu Val Leu Val Ile Leu Cys Ile Val Thr Val
20 25 30

Cys Val Thr Ile Val Cys Thr Tyr Phe Leu Leu Asn Ala Glu Asp Tyr
35 40 45

Arg Trp Gln Trp Thr Ser Phe Leu Ser Ala Ala Ser Thr Ala Ile Tyr
50 55 60

Val Tyr Met Tyr Ser Phe Tyr Tyr Tyr Phe Phe Lys Thr Lys Met Tyr
65 70 75 80

Gly Leu Phe Gln Thr Ser Phe Tyr Phe Gly Tyr Met Ala Val Phe Ser
85 90 95

Thr Ala Leu Gly Ile Met Cys Gly Ala Ile Gly Tyr Met Gly Thr Ser
100 105 110

Ala Phe Val Arg Lys Ile Tyr Thr Asn Val Lys Ile Asp
115 120 125

<210> 1464

<211> 125

<212> PRT

<213> Homo sapiens

<400> 1464

Met Tyr Phe Ile Phe Thr Ser Phe Trp Ala Tyr Lys Ile Tyr Tyr Val
1 5 10 15

Tyr	Gly	Phe	Met	Met	Leu	Val	Leu	Val	Ile	Leu	Cys	Ile	Val	Thr	Val	
			20					25					30			
Cys	Val	Thr	Ile	Val	Cys	Thr	Tyr	Phe	Leu	Leu	Asn	Ala	Glu	Asp	Tyr	
		35					40					45				
Arg	Trp	Gln	Trp	Thr	Ser	Phe	Leu	Ser	Ala	Ala	Ser	Thr	Ala	Ile	Tyr	
	50					55					60					
Val	Tyr	Met	Tyr	Ser	Phe	Tyr	Tyr	Tyr	Phe	Phe	Lys	Thr	Lys	Met	Tyr	
	65				70					75					80	
Gly	Leu	Phe	Gln	Thr	Ser	Phe	Tyr	Phe	Gly	Tyr	Met	Ala	Val	Phe	Ser	
				85					90					95		
Thr	Ala	Leu	Gly	Ile	Met	Cys	Gly	Ala	Ile	Gly	Tyr	Met	Gly	Thr	Ser	
			100					105					110			
Ala	Phe	Val	Arg	Lys	Ile	Tyr	Thr	Asn	Val	Lys	Ile	Asp				
		115					120					125				

<210> 1465
 <211> 250
 <212> PRT
 <213> Homo sapiens

<400> 1465																
Met	Arg	Gly	Thr	Pro	Lys	Thr	His	Leu	Leu	Ala	Phe	Ser	Leu	Leu	Cys	
1					5				10					15		
Leu	Leu	Ser	Lys	Val	Arg	Thr	Gln	Leu	Cys	Pro	Thr	Pro	Cys	Thr	Cys	
			20					25					30			
Pro	Trp	Pro	Pro	Pro	Arg	Cys	Pro	Leu	Gly	Val	Pro	Leu	Val	Leu	Asp	
		35					40					45				
Gly	Cys	Gly	Cys	Cys	Arg	Val	Cys	Ala	Arg	Arg	Leu	Gly	Glu	Pro	Cys	
	50					55					60					
Asp	Gln	Leu	His	Val	Cys	Asp	Ala	Ser	Gln	Gly	Leu	Val	Cys	Gln	Pro	
	65				70					75					80	
Gly	Ala	Gly	Pro	Gly	Gly	Arg	Gly	Ala	Leu	Cys	Leu	Leu	Ala	Glu	Asp	
				85				90						95		
Asp	Ser	Ser	Cys	Glu	Val	Asn	Gly	Arg	Leu	Tyr	Arg	Glu	Gly	Glu	Thr	
			100					105					110			
Phe	Gln	Pro	His	Cys	Ser	Ile	Arg	Cys	Arg	Cys	Glu	Asp	Gly	Gly	Phe	
		115					120					125				

Thr Cys Val Pro Leu Cys Ser Glu Asp Val Arg Leu Pro Ser Trp Asp
 130 135 140
 Cys Pro His Pro Arg Arg Val Glu Val Leu Gly Lys Cys Cys Pro Glu
 145 150 155 160
 Trp Val Cys Gly Gln Gly Gly Gly Leu Gly Thr Gln Pro Leu Pro Ala
 165 170 175
 Gln Gly Pro Gln Phe Ser Gly Leu Val Ser Ser Leu Pro Pro Gly Val
 180 185 190
 Pro Cys Pro Glu Trp Ser Thr Ala Trp Gly Pro Cys Ser Thr Thr Cys
 195 200 205
 Gly Leu Gly Met Ala Thr Arg Val Ser Asn Gln Asn Arg Phe Cys Arg
 210 215 220
 Leu Glu Thr Gln Arg Arg Leu Cys Leu Ser Arg Pro Cys Pro Pro Ser
 225 230 235 240
 Arg Gly Arg Ser Pro Gln Asn Ser Ala Phe
 245 250

<210> 1466

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1466

Met Arg Gly Thr Pro Lys Thr His Leu Leu Ala Phe Ser Leu Leu Cys
 1 5 10 15

Leu Leu Ser Lys Val Arg Thr Gln Leu Cys Pro Thr Pro Cys Thr Cys
 20 25 30

Pro Trp Pro Pro Pro Arg Cys Pro Leu Gly Val Pro Leu Val Leu Asp
 35 40 45

Gly Cys Gly Cys Cys Arg Val Cys Ala Arg Arg Leu Gly Glu Pro Cys
 50 55 60

Asp Gln Leu His Val Cys Asp Ala Ser Gln Gly Leu Val Cys Gln Pro
 65 70 75 80

Gly Ala Gly Pro Gly Gly Arg Gly Ala Leu Cys Leu Leu Ala Glu Asp
 85 90 95

Asp Ser Ser Cys Glu Val Asn Gly Arg Leu Tyr Arg Glu Gly Glu Thr

				100						105						110			
Phe	Gln	Pro	His	Cys	Ser	Ile	Arg	Cys	Arg	Cys	Glu	Asp	Gly	Gly	Phe				
		115					120					125							
Thr	Cys	Val	Pro	Leu	Cys	Ser	Glu	Asp	Val	Arg	Leu	Pro	Ser	Trp	Asp				
	130					135					140								
Cys	Pro	His	Pro	Arg	Arg	Val	Glu	Val	Leu	Gly	Lys	Cys	Cys	Pro	Glu				
145					150					155					160				
Trp	Val	Cys	Gly	Gln	Gly	Gly	Gly	Leu	Gly	Thr	Gln	Pro	Leu	Pro	Ala				
				165					170						175				
Gln	Gly	Pro	Gln	Phe	Ser	Gly	Leu	Val	Ser	Ser	Leu	Pro	Pro	Gly	Val				
			180					185					190						
Pro	Cys	Pro	Glu	Trp	Ser	Thr	Ala	Trp	Gly	Pro	Cys	Ser	Thr	Thr	Cys				
		195					200					205							
Gly	Leu	Gly	Met	Ala	Thr	Arg	Val	Ser	Asn	Gln	Asn	Arg	Phe	Cys	Arg				
	210					215					220								
Leu	Glu	Thr	Gln	Arg	Arg	Leu	Cys	Leu	Ser	Arg	Pro	Cys	Pro	Pro	Ser				
225					230					235					240				
Arg	Gly	Arg	Ser	Pro	Gln	Asn	Ser	Ala	Phe										
				245					250										

<210> 1467

<211> 388

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (277)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1467

Met	Met	Thr	Ile	Thr	Phe	Leu	Pro	Tyr	Thr	Phe	Ser	Leu	Met	Val	Thr
1				5					10					15	

Phe	Pro	Asp	Val	Pro	Leu	Gly	Ile	Phe	Leu	Phe	Cys	Val	Cys	Val	Ile
			20					25					30		

Ala	Ile	Gly	Val	Val	Gln	Ala	Leu	Ile	Val	Gly	Tyr	Ala	Phe	His	Phe
		35					40					45			

Pro	His	Leu	Leu	Ser	Pro	Gln	Ile	Gln	Arg	Ser	Ala	His	Arg	Ala	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

50		55		60													
Tyr	Arg	Arg	His	Val	Leu	Gly	Ile	Val	Leu	Gln	Gly	Pro	Ala	Leu	Cys		
65					70					75					80		
Phe	Ala	Ala	Ala	Ile	Phe	Ser	Leu	Phe	Phe	Val	Pro	Leu	Ser	Tyr	Leu		
				85					90					95			
Leu	Met	Val	Thr	Val	Ile	Leu	Leu	Pro	Tyr	Val	Ser	Lys	Val	Thr	Gly		
			100					105					110				
Trp	Cys	Arg	Asp	Arg	Leu	Leu	Gly	His	Arg	Glu	Pro	Ser	Ala	His	Pro		
		115					120					125					
Val	Glu	Val	Phe	Ser	Phe	Asp	Leu	His	Glu	Pro	Leu	Ser	Lys	Glu	Arg		
	130					135					140						
Val	Glu	Ala	Phe	Ser	Asp	Gly	Val	Tyr	Ala	Ile	Val	Ala	Thr	Leu	Leu		
145					150					155					160		
Ile	Leu	Asp	Ile	Cys	Glu	Asp	Asn	Val	Pro	Asp	Pro	Lys	Asp	Val	Lys		
				165					170					175			
Glu	Arg	Phe	Ser	Gly	Ser	Leu	Val	Ala	Ala	Leu	Ser	Ala	Thr	Gly	Pro		
			180					185					190				
Arg	Phe	Leu	Ala	Tyr	Phe	Gly	Ser	Phe	Ala	Thr	Val	Gly	Leu	Leu	Trp		
		195					200					205					
Phe	Ala	His	His	Ser	Leu	Phe	Leu	His	Val	Arg	Lys	Ala	Thr	Arg	Ala		
	210					215					220						
Met	Gly	Leu	Leu	Asn	Thr	Leu	Ser	Leu	Ala	Phe	Val	Gly	Gly	Leu	Pro		
225					230					235					240		
Leu	Ala	Tyr	Gln	Gln	Thr	Ser	Ala	Phe	Ala	Arg	Gln	Pro	Arg	Asp	Glu		
				245					250					255			
Leu	Glu	Arg	Val	Arg	Val	Ser	Cys	Thr	Ile	Ile	Phe	Leu	Ala	Ser	Ile		
			260					265					270				
Phe	Gln	Leu	Ala	Xaa	Trp	Thr	Thr	Ala	Leu	Leu	His	Gln	Ala	Glu	Thr		
	275						280					285					
Leu	Gln	Pro	Ser	Val	Trp	Phe	Gly	Gly	Arg	Glu	His	Val	Leu	Met	Phe		
	290					295					300						
Ala	Lys	Leu	Ala	Leu	Tyr	Pro	Cys	Ala	Ser	Leu	Leu	Ala	Phe	Ala	Ser		
305					310					315					320		
Thr	Cys	Leu	Leu	Ser	Arg	Phe	Ser	Val	Gly	Ile	Phe	His	Leu	Met	Gln		
				325					330					335			

Ile Ala Val Pro Cys Ala Phe Leu Leu Leu Arg Leu Leu Val Gly Leu
340 345 350

Ala Leu Ala Thr Leu Arg Val Leu Arg Gly Leu Ala Arg Pro Glu His
355 360 365

Pro Pro Pro Ala Pro Thr Gly Gln Asp Asp Pro Gln Ser Gln Leu Leu
370 375 380

Pro Ala Pro Cys
385

<210> 1468

<211> 388

<212> PRT

<213> Homo sapiens

<400> 1468

Met Met Thr Ile Thr Phe Leu Pro Tyr Thr Phe Ser Leu Met Val Thr
1 5 10 15

Phe Pro Asp Val Pro Leu Gly Ile Phe Leu Phe Cys Val Cys Val Ile
20 25 30

Ala Ile Gly Val Val Gln Ala Leu Ile Val Gly Tyr Ala Phe His Phe
35 40 45

Pro His Leu Leu Ser Pro Gln Ile Gln Arg Ser Ala His Arg Ala Leu
50 55 60

Tyr Arg Arg His Val Leu Gly Ile Val Leu Gln Gly Pro Ala Leu Cys
65 70 75 80

Phe Ala Ala Ala Ile Phe Ser Leu Phe Phe Val Pro Leu Ser Tyr Leu
85 90 95

Leu Met Val Thr Val Ile Leu Leu Pro Tyr Val Ser Lys Val Thr Gly
100 105 110

Trp Cys Arg Asp Arg Leu Leu Gly His Arg Glu Pro Ser Ala His Pro
115 120 125

Val Glu Val Phe Ser Phe Asp Leu His Glu Pro Leu Ser Lys Glu Arg
130 135 140

Val Glu Ala Phe Ser Asp Gly Val Tyr Ala Ile Val Ala Thr Leu Leu
145 150 155 160

Ile Leu Asp Ile Cys Glu Asp Asn Val Pro Asp Pro Lys Asp Val Lys

				165						170						175
Glu	Arg	Phe	Ser	Gly	Ser	Leu	Val	Ala	Ala	Leu	Ser	Ala	Thr	Gly	Pro	
			180					185					190			
Arg	Phe	Leu	Ala	Tyr	Phe	Gly	Ser	Phe	Ala	Thr	Val	Gly	Leu	Leu	Trp	
		195					200					205				
Phe	Ala	His	His	Ser	Leu	Phe	Leu	His	Val	Arg	Lys	Ala	Thr	Arg	Ala	
	210					215					220					
Met	Gly	Leu	Leu	Asn	Thr	Leu	Ser	Leu	Ala	Phe	Val	Gly	Gly	Leu	Pro	
225					230					235					240	
Leu	Ala	Tyr	Gln	Gln	Thr	Ser	Ala	Phe	Ala	Arg	Gln	Pro	Arg	Asp	Glu	
				245					250					255		
Leu	Glu	Arg	Val	Arg	Val	Ser	Cys	Thr	Ile	Ile	Phe	Leu	Ala	Ser	Ile	
			260					265					270			
Phe	Gln	Leu	Ala	Met	Trp	Thr	Thr	Ala	Leu	Leu	His	Gln	Ala	Glu	Thr	
		275					280					285				
Leu	Gln	Pro	Ser	Val	Trp	Phe	Gly	Gly	Arg	Glu	His	Val	Leu	Met	Phe	
	290					295					300					
Ala	Lys	Leu	Ala	Leu	Tyr	Pro	Cys	Ala	Ser	Leu	Leu	Ala	Phe	Ala	Ser	
305					310					315					320	
Thr	Cys	Leu	Leu	Ser	Arg	Phe	Ser	Val	Gly	Ile	Phe	His	Leu	Met	Gln	
				325					330					335		
Ile	Ala	Val	Pro	Cys	Ala	Phe	Leu	Leu	Leu	Arg	Leu	Leu	Val	Gly	Leu	
			340					345					350			
Ala	Leu	Ala	Thr	Leu	Arg	Val	Leu	Arg	Gly	Leu	Ala	Arg	Pro	Glu	His	
		355					360					365				
Pro	Pro	Pro	Ala	Pro	Thr	Gly	Gln	Asp	Asp	Pro	Gln	Ser	Gln	Leu	Leu	
	370					375					380					
Pro	Ala	Pro	Cys													
385																

<210> 1469
 <211> 262
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (231)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1469

Met	Ser	Pro	Pro	Pro	Leu	Leu	Gln	Pro	Leu	Leu	Leu	Leu	Leu	Pro	Leu	
1				5					10					15		
Leu	Asn	Val	Glu	Pro	Ser	Gly	Ala	Thr	Leu	Ile	Arg	Ile	Pro	Leu	His	
			20					25					30			
Arg	Val	Gln	Pro	Gly	Arg	Arg	Ile	Leu	Asn	Leu	Leu	Arg	Gly	Trp	Arg	
		35					40					45				
Glu	Pro	Ala	Glu	Leu	Pro	Lys	Leu	Gly	Ala	Pro	Ser	Pro	Gly	Asp	Lys	
	50					55					60					
Pro	Ile	Phe	Val	Pro	Leu	Ser	Asn	Tyr	Arg	Asp	Val	Gln	Tyr	Phe	Gly	
65					70					75					80	
Glu	Ile	Gly	Leu	Gly	Thr	Pro	Pro	Gln	Asn	Phe	Thr	Val	Ala	Phe	Asp	
				85					90					95		
Thr	Gly	Ser	Ser	Asn	Leu	Trp	Val	Pro	Ser	Arg	Arg	Cys	His	Phe	Phe	
			100					105					110			
Ser	Val	Pro	Cys	Trp	Leu	His	His	Arg	Phe	Asp	Pro	Lys	Ala	Ser	Ser	
		115					120					125				
Ser	Phe	Gln	Ala	Asn	Gly	Thr	Lys	Phe	Ala	Ile	Gln	Tyr	Gly	Thr	Gly	
	130					135					140					
Arg	Val	Asp	Gly	Ile	Leu	Ser	Glu	Asp	Lys	Leu	Thr	Ile	Gly	Gly	Ile	
145					150					155					160	
Lys	Gly	Ala	Ser	Val	Ile	Phe	Gly	Glu	Ala	Leu	Trp	Glu	Pro	Ser	Leu	
				165					170					175		
Val	Phe	Ala	Phe	Ala	His	Phe	Asp	Gly	Ile	Leu	Gly	Leu	Gly	Phe	Pro	
			180					185					190			
Ile	Leu	Ser	Val	Glu	Gly	Val	Arg	Pro	Pro	Met	Asp	Val	Leu	Val	Glu	
		195					200					205				
Gln	Gly	Leu	Leu	Asp	Lys	Pro	Val	Phe	Ser	Phe	Tyr	Leu	Asn	Arg	Asp	
	210					215					220					
Pro	Glu	Glu	Pro	Asp	Gly	Xaa	Glu	Leu	Val	Leu	Gly	Gly	Ser	Asp	Pro	
225					230					235					240	
Ala	His	Tyr	Ile	Pro	Pro	Ser	Pro	Phe	Val	Pro	Val	Arg	Ser	Pro	Pro	
				245					250					255		

Met Ala Asp Pro Gln Gly
260

<210> 1470

<211> 145

<212> PRT

<213> Homo sapiens

<400> 1470

Met Ser Pro Pro Pro Leu Leu Gln Pro Leu Leu Leu Leu Leu Pro Leu
1 5 10 15

Leu Asn Val Glu Pro Ser Gly Ala Thr Leu Ile Arg Ile Pro Leu His
20 25 30

Arg Val Gln Pro Gly Arg Arg Ile Leu Asn Leu Leu Arg Gly Trp Arg
35 40 45

Glu Pro Ala Glu Leu Pro Lys Leu Gly Ala Pro Ser Pro Gly Asp Lys
50 55 60

Pro Ile Phe Val Pro Leu Ser Asn Tyr Arg Asp Val Gln Tyr Phe Gly
65 70 75 80

Glu Ile Gly Leu Gly Thr Pro Pro Gln Asn Phe Thr Val Ala Phe Asp
85 90 95

Thr Gly Ser Ser Asn Leu Trp Val Pro Ser Arg Arg Cys His Phe Phe
100 105 110

Ser Val Pro Cys Trp Leu His His Arg Phe Asp Pro Lys Ala Ser Ser
115 120 125

Ser Phe Arg Pro Met Gly Pro Ser Leu Pro Phe Asn Met Glu Leu Gly
130 135 140

Gly

145

<210> 1471

<211> 212

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1471

Gly Ser Ala Gly Thr Ala Arg Ile Xaa Gly Ser Thr Thr Arg Pro Asp
1 5 10 15

Pro Glu Glu Pro Asp Gly Gly Glu Leu Val Leu Gly Gly Ser Asp Pro
20 25 30

Ala His Tyr Ile Pro Pro Leu Thr Phe Val Pro Val Thr Val Pro Ala
35 40 45

Tyr Trp Gln Ile His Met Glu Arg Val Lys Val Gly Pro Gly Leu Thr
50 55 60

Leu Cys Ala Lys Gly Cys Ala Ala Ile Leu Asp Thr Gly Thr Ser Leu
65 70 75 80

Ile Thr Gly Pro Thr Glu Glu Ile Arg Ala Leu His Ala Ala Ile Gly
85 90 95

Gly Ile Pro Leu Leu Ala Gly Glu Tyr Ile Ile Leu Cys Ser Glu Ile
100 105 110

Pro Lys Leu Pro Ala Val Ser Phe Leu Leu Gly Gly Val Trp Phe Asn
115 120 125

Leu Thr Ala His Asp Tyr Val Ile Gln Thr Thr Arg Asn Gly Val Arg
130 135 140

Leu Cys Leu Ser Gly Phe Gln Ala Leu Asp Val Pro Pro Pro Ala Gly
145 150 155 160

Pro Phe Trp Ile Leu Gly Asp Val Phe Leu Gly Thr Tyr Val Ala Val
165 170 175

Phe Asp Arg Gly Asp Met Lys Ser Ser Ala Arg Val Gly Leu Ala Arg
180 185 190

Ala Arg Thr Arg Gly Ala Asp Leu Gly Trp Gly Glu Thr Ala Gln Ala
195 200 205

Gln Phe Pro Gly
210

<210> 1472

<211> 150

<212> PRT

<213> Homo sapiens

<400> 1472

Met	Val	Met	Ile	Leu	Phe	Val	Ala	Phe	Ile	Thr	Cys	Trp	Glu	Glu	Val
1				5					10					15	
Thr	Thr	Leu	Val	Gln	Ala	Ile	Arg	Ile	Thr	Ser	Tyr	Met	Asn	Glu	Thr
			20					25					30		
Ile	Leu	Tyr	Phe	Pro	Phe	Ser	Ser	His	Ser	Ser	Tyr	Thr	Val	Arg	Ser
		35					40					45			
Lys	Lys	Ile	Phe	Leu	Ser	Lys	Leu	Ile	Val	Cys	Phe	Leu	Ser	Thr	Trp
	50					55					60				
Leu	Pro	Phe	Val	Leu	Leu	Gln	Val	Ile	Ile	Val	Leu	Leu	Lys	Val	Gln
65					70					75					80
Ile	Pro	Ala	Tyr	Ile	Glu	Met	Asn	Ile	Pro	Trp	Leu	Tyr	Phe	Val	Asn
				85					90					95	
Ser	Phe	Leu	Ile	Ala	Thr	Val	Tyr	Trp	Phe	Asn	Cys	His	Lys	Leu	Asn
			100					105					110		
Leu	Lys	Asp	Ile	Gly	Leu	Pro	Leu	Asp	Pro	Phe	Val	Asn	Trp	Lys	Cys
		115					120					125			
Cys	Phe	Ile	Pro	Leu	Thr	Ile	Pro	Asn	Leu	Glu	Gln	Ile	Glu	Lys	Pro
	130					135					140				
Ile	Ser	Ile	Met	Ile	Cys										
145					150										

<210> 1473

<211> 150

<212> PRT

<213> Homo sapiens

<400> 1473

Met	Val	Met	Ile	Leu	Phe	Val	Ala	Phe	Ile	Thr	Cys	Trp	Glu	Glu	Val
1				5					10					15	
Thr	Thr	Leu	Val	Gln	Ala	Ile	Arg	Ile	Thr	Ser	Tyr	Met	Asn	Glu	Thr
			20					25					30		
Ile	Leu	Tyr	Phe	Pro	Phe	Ser	Ser	His	Ser	Ser	Tyr	Thr	Val	Arg	Ser
		35					40					45			
Lys	Lys	Ile	Phe	Leu	Ser	Lys	Leu	Ile	Val	Cys	Phe	Leu	Ser	Thr	Trp
	50					55					60				
Leu	Pro	Phe	Val	Leu	Leu	Gln	Val	Ile	Ile	Val	Leu	Leu	Lys	Val	Gln

65		70		75		80									
Ile	Pro	Ala	Tyr	Ile	Glu	Met	Asn	Ile	Pro	Trp	Leu	Tyr	Phe	Val	Asn
				85					90					95	
Ser	Phe	Leu	Ile	Ala	Thr	Val	Tyr	Trp	Phe	Asn	Cys	His	Lys	Leu	Asn
			100					105					110		
Leu	Lys	Asp	Ile	Gly	Leu	Pro	Leu	Asp	Pro	Phe	Val	Asn	Trp	Lys	Cys
		115					120					125			
Cys	Phe	Ile	Pro	Leu	Thr	Ile	Pro	Asn	Leu	Glu	Gln	Ile	Glu	Lys	Pro
	130					135					140				
Ile	Ser	Ile	Met	Ile	Cys										
145					150										

<210> 1474
 <211> 353
 <212> PRT
 <213> Homo sapiens

<400> 1474
Met Arg Tyr Leu Leu Pro Ser Val Val Leu Leu Gly Thr Ala Pro Thr
1 5 10 15
Tyr Val Leu Ala Trp Gly Val Trp Arg Leu Leu Ser Ala Phe Leu Pro
20 25 30
Ala Arg Phe Tyr Gln Ala Leu Asp Asp Arg Leu Tyr Cys Val Tyr Gln
35 40 45
Ser Met Val Leu Phe Phe Phe Glu Asn Tyr Thr Gly Val Gln Ile Leu
50 55 60
Leu Tyr Gly Asp Leu Pro Lys Asn Lys Glu Asn Ile Ile Tyr Leu Ala
65 70 75 80
Asn His Gln Ser Thr Val Asp Trp Ile Val Ala Asp Ile Leu Ala Ile
85 90 95
Arg Gln Asn Ala Leu Gly His Val Arg Tyr Val Leu Lys Glu Gly Leu
100 105 110
Lys Trp Leu Pro Leu Tyr Gly Cys Tyr Phe Ala Gln His Gly Gly Ile
115 120 125
Tyr Val Lys Arg Ser Ala Lys Phe Asn Glu Lys Glu Met Arg Asn Lys
130 135 140

Leu Gln Ser Tyr Val Asp Ala Gly Thr Pro Met Tyr Leu Val Ile Phe
 145 150 155 160
 Pro Glu Gly Thr Arg Tyr Asn Pro Glu Gln Thr Lys Val Leu Ser Ala
 165 170 175
 Ser Gln Ala Phe Ala Ala Gln Arg Gly Leu Ala Val Leu Lys His Val
 180 185 190
 Leu Thr Pro Arg Ile Lys Ala Thr His Val Ala Phe Asp Cys Met Lys
 195 200 205
 Asn Tyr Leu Asp Ala Ile Tyr Asp Val Thr Val Val Tyr Glu Gly Lys
 210 215 220
 Asp Asp Gly Gly Gln Arg Arg Glu Ser Pro Thr Met Thr Glu Phe Leu
 225 230 235 240
 Cys Lys Glu Cys Pro Lys Ile His Ile His Ile Asp Arg Ile Asp Lys
 245 250 255
 Lys Asp Val Pro Glu Glu Gln Glu His Met Arg Arg Trp Leu His Glu
 260 265 270
 Arg Phe Glu Ile Lys Asp Lys Met Leu Ile Glu Phe Tyr Glu Ser Pro
 275 280 285
 Asp Pro Glu Arg Arg Lys Arg Phe Pro Gly Lys Ser Val Asn Ser Lys
 290 295 300
 Leu Ser Ile Lys Lys Thr Leu Pro Ser Met Leu Ile Leu Ser Gly Leu
 305 310 315 320
 Thr Ala Gly Met Leu Met Thr Asp Ala Gly Arg Lys Leu Tyr Val Asn
 325 330 335
 Thr Trp Ile Tyr Gly Thr Leu Leu Gly Cys Leu Trp Val Thr Ile Lys
 340 345 350

Ala

<210> 1475

<211> 353

<212> PRT

<213> Homo sapiens

<400> 1475

Met Arg Tyr Leu Leu Pro Ser Val Val Leu Leu Gly Thr Ala Pro Thr
 1 5 10 15

Tyr	Val	Leu	Ala	Trp	Gly	Val	Trp	Arg	Leu	Leu	Ser	Ala	Phe	Leu	Pro	20	25	30
Ala	Arg	Phe	Tyr	Gln	Ala	Leu	Asp	Asp	Arg	Leu	Tyr	Cys	Val	Tyr	Gln	35	40	45
Ser	Met	Val	Leu	Phe	Phe	Phe	Glu	Asn	Tyr	Thr	Gly	Val	Gln	Ile	Leu	50	55	60
Leu	Tyr	Gly	Asp	Leu	Pro	Lys	Asn	Lys	Glu	Asn	Ile	Ile	Tyr	Leu	Ala	65	70	75
Asn	His	Gln	Ser	Thr	Val	Asp	Trp	Ile	Val	Ala	Asp	Ile	Leu	Ala	Ile	85	90	95
Arg	Gln	Asn	Ala	Leu	Gly	His	Val	Arg	Tyr	Val	Leu	Lys	Glu	Gly	Leu	100	105	110
Lys	Trp	Leu	Pro	Leu	Tyr	Gly	Cys	Tyr	Phe	Ala	Gln	His	Gly	Gly	Ile	115	120	125
Tyr	Val	Lys	Arg	Ser	Ala	Lys	Phe	Asn	Glu	Lys	Glu	Met	Arg	Asn	Lys	130	135	140
Leu	Gln	Ser	Tyr	Val	Asp	Ala	Gly	Thr	Pro	Met	Tyr	Leu	Val	Ile	Phe	145	150	155
Pro	Glu	Gly	Thr	Arg	Tyr	Asn	Pro	Glu	Gln	Thr	Lys	Val	Leu	Ser	Ala	165	170	175
Ser	Gln	Ala	Phe	Ala	Ala	Gln	Arg	Gly	Leu	Ala	Val	Leu	Lys	His	Val	180	185	190
Leu	Thr	Pro	Arg	Ile	Lys	Ala	Thr	His	Val	Ala	Phe	Asp	Cys	Met	Lys	195	200	205
Asn	Tyr	Leu	Asp	Ala	Ile	Tyr	Asp	Val	Thr	Val	Val	Tyr	Glu	Gly	Lys	210	215	220
Asp	Asp	Gly	Gly	Gln	Arg	Arg	Glu	Ser	Pro	Thr	Met	Thr	Glu	Phe	Leu	225	230	235
Cys	Lys	Glu	Cys	Pro	Lys	Ile	His	Ile	His	Ile	Asp	Arg	Ile	Asp	Lys	245	250	255
Lys	Asp	Val	Pro	Glu	Glu	Gln	Glu	His	Met	Arg	Arg	Trp	Leu	His	Glu	260	265	270
Arg	Phe	Glu	Ile	Lys	Asp	Lys	Met	Leu	Ile	Glu	Phe	Tyr	Glu	Ser	Pro	275	280	285

Asp Pro Glu Arg Arg Lys Arg Phe Pro Gly Lys Ser Val Asn Ser Lys
 290 295 300

Leu Ser Ile Lys Lys Thr Leu Pro Ser Met Leu Ile Leu Ser Gly Leu
 305 310 315 320

Thr Ala Gly Met Leu Met Thr Asp Ala Gly Arg Lys Leu Tyr Val Asn
 325 330 335

Thr Trp Ile Tyr Gly Thr Leu Leu Gly Cys Leu Trp Val Thr Ile Lys
 340 345 350

Ala

<210> 1476

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1476

Met Thr His Cys Leu Leu His Gly Met Gly Xaa Ala Gly Ala Ala Ser
 1 5 10 15

Leu Thr Pro Lys Pro Met Ser Leu Ile Ser Ala Tyr Cys Gly Gly Leu
 20 25 30

Trp Leu Ala Ala Val Ala Val Met Val Gln Met Ala Ala Leu Cys Gly
 35 40 45

Ala Gln Asp Ile Gln Asp Lys Phe Ser Ser Ile Leu Ser Arg Gly Gln
 50 55 60

Glu Ala Tyr Glu Arg Leu Leu Trp Asn Gly Glu Phe Gly Glu Pro Lys
 65 70 75 80

<210> 1477

<211> 415

<212> PRT

<213> Homo sapiens

<400> 1477

Val	Gly	Leu	Val	Ser	Met	Leu	Gly	Ile	Pro	Ile	Pro	Gly	Ala	Glu	Gly	
1				5					10					15		
Ala	Pro	Val	Leu	Asn	Ser	Leu	Val	Phe	Leu	Ser	Gly	Gln	Ser	Thr	Pro	
			20					25					30			
Thr	Gln	Lys	Gly	Val	Gly	Ile	Ala	Gly	Ala	Val	Cys	Val	Ser	Ser	Lys	
		35					40					45				
Leu	Arg	Pro	Arg	Gly	Gln	Cys	Arg	Leu	Glu	Phe	Ser	Leu	Ala	Trp	Asp	
	50					55					60					
Met	Pro	Arg	Ile	Met	Phe	Gly	Ala	Lys	Gly	Gln	Val	His	Tyr	Arg	Arg	
65					70					75					80	
Tyr	Thr	Arg	Phe	Phe	Gly	Gln	Asp	Gly	Asp	Ala	Ala	Pro	Ala	Leu	Ser	
				85					90					95		
His	Tyr	Ala	Leu	Cys	Arg	Tyr	Ala	Glu	Trp	Glu	Glu	Arg	Ile	Ser	Ala	
			100					105					110			
Trp	Gln	Ser	Pro	Val	Leu	Asp	Asp	Arg	Ser	Leu	Pro	Ala	Trp	Tyr	Lys	
		115					120					125				
Ser	Ala	Leu	Phe	Asn	Glu	Leu	Tyr	Phe	Leu	Ala	Asp	Gly	Gly	Thr	Val	
	130					135					140					
Trp	Leu	Glu	Val	Leu	Glu	Asp	Ser	Leu	Pro	Glu	Glu	Leu	Gly	Arg	Asn	
145					150					155					160	
Met	Cys	His	Leu	Arg	Pro	Thr	Leu	Arg	Asp	Tyr	Gly	Arg	Phe	Gly	Tyr	
				165					170					175		
Leu	Glu	Gly	Gln	Glu	Tyr	Arg	Met	Tyr	Asn	Thr	Tyr	Asp	Val	His	Phe	
			180					185					190			
Tyr	Ala	Ser	Phe	Ala	Leu	Ile	Met	Leu	Trp	Pro	Lys	Leu	Glu	Leu	Ser	
		195					200					205				
Leu	Gln	Tyr	Asp	Met	Ala	Leu	Ala	Thr	Leu	Arg	Glu	Asp	Leu	Thr	Arg	
	210					215					220					
Arg	Arg	Tyr	Leu	Met	Ser	Gly	Val	Met	Ala	Pro	Val	Lys	Arg	Arg	Asn	
225					230					235					240	
Val	Ile	Pro	His	Asp	Ile	Gly	Asp	Pro	Asp	Asp	Glu	Pro	Trp	Leu	Arg	
				245					250					255		
Val	Asn	Ala	Tyr	Leu	Ile	His	Asp	Thr	Ala	Asp	Trp	Lys	Asp	Leu	Asn	
			260					265					270			

Leu Lys Phe Val Leu Gln Val Tyr Arg Asp Tyr Tyr Leu Thr Gly Asp
 275 280 285
 Gln Asn Phe Leu Lys Asp Met Trp Pro Val Cys Leu Ala Val Met Glu
 290 295 300
 Ser Glu Met Lys Phe Asp Lys Asp His Asp Gly Leu Ile Glu Asn Gly
 305 310 315 320
 Gly Tyr Ala Asp Gln Thr Tyr Asp Gly Trp Val Thr Thr Gly Pro Ser
 325 330 335
 Ala Tyr Cys Gly Gly Leu Trp Leu Ala Ala Val Ala Val Met Val Gln
 340 345 350
 Met Ala Ala Leu Cys Gly Ala Gln Asp Ile Gln Asp Lys Phe Ser Ser
 355 360 365
 Ile Leu Ser Arg Gly Gln Glu Ala Tyr Glu Arg Leu Leu Trp Asn Gly
 370 375 380
 Arg Tyr Tyr Asn Tyr Asp Ser Ser Ser Arg Pro Gln Ser Arg Ser Val
 385 390 395 400
 Met Ser Asp Gln Cys Ala Gly Gln Trp Phe Leu Lys Ala Cys Gly
 405 410 415

<210> 1478

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1478

Met Ser Leu Gly Gly Ser Gln Ser Ser Leu Val Ser Trp Arg Ala Thr
 1 5 10 15
 Gln Ile Ala Cys Met Thr Leu Ser Trp Pro Leu Trp Thr Cys Trp Leu
 20 25 30
 Ala Ala Pro Leu Ser Leu Thr Lys Ser Pro Trp Arg Gln Trp Ser Thr
 35 40 45
 His Val Lys Gly Phe Asn Leu Ala Ser Ser Gln Ala Glu Val Gln Pro
 50 55 60

Val Gly Gln Thr Leu Ala Ser Glu Lys Lys Xaa Leu Gln Glu Val Leu
65 70 75 80

Ala Arg Ala Ile Gln His
85

<210> 1479
<211> 159
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1479
Met His Arg Leu Ile Phe Val Tyr Thr Leu Ile Cys Ala Asn Phe Cys
1 5 10 15

Ser Cys Arg Asp Thr Ser Ala Thr Pro Gln Ser Ala Ser Ile Lys Ala
20 25 30

Leu Arg Asn Ala Asn Leu Arg Arg Asp Glu Ser Asn His Leu Thr Asp
35 40 45

Leu Tyr Arg Arg Asp Glu Thr Ile Gln Val Lys Gly Asn Gly Tyr Val
50 55 60

Gln Ser Pro Arg Phe Pro Asn Ser Tyr Pro Arg Asn Leu Leu Leu Thr
65 70 75 80

Trp Arg Leu His Ser Gln Glu Asn Thr Arg Ile Gln Leu Val Val Asp
85 90 95

Asn Gln Phe Gly Leu Glu Glu Ala Glu Asn Asp Ile Cys Arg Tyr Asp
100 105 110

Phe Val Glu Val Glu Asp Ile Ser Glu Thr Ser Thr Ile Ile Arg Gly
115 120 125

Arg Trp Cys Gly His Lys Glu Val Pro Pro Arg Ile Lys Ser Arg Thr
130 135 140

Asn His Ile Lys Ile Thr Phe Lys Xaa Asp Asp Tyr Phe Xaa Ala
 145 150 155

<210> 1480
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1480
 Leu Ile Ile Lys Lys Gly Lys Ile Trp Phe Pro Glu Lys Arg Pro Ile
 1 5 10 15
 Pro Lys His Phe Phe His Glu Lys His Cys Ile Leu Thr Tyr Val Asp
 20 25 30
 Xaa Asn Asn Leu Ser Pro Lys Pro Cys His Asn Asn Ile Ser Ala Leu
 35 40 45
 Glu Ile Lys Ser Leu Cys Phe Leu Cys Ile Leu Leu Arg His Xaa Tyr
 50 55 60
 Ser Phe Asn Thr Tyr Leu Lys Asn Leu Leu Arg Arg Phe Phe Ile Ile
 65 70 75 80
 Val Leu Gln Lys Thr Met Tyr Lys Leu
 85

<210> 1481
 <211> 370
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (216)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1481

275		280		285
Asn Val Val Phe Phe Pro Arg Cys Leu Leu Val Gln Arg Cys Gly Gly				
290		295		300
Asn Cys Gly Cys Gly Thr Val Asn Trp Arg Ser Cys Thr Cys Asn Ser				
305		310		315
Gly Lys Thr Val Lys Lys Tyr His Glu Val Leu Gln Phe Glu Pro Gly				
	325		330	335
His Ile Lys Arg Arg Gly Arg Ala Lys Thr Met Ala Leu Val Asp Ile				
	340		345	350
Gln Leu Asp His His Glu Arg Cys Asp Cys Ile Cys Ser Ser Arg Pro				
	355		360	365
Pro Arg				
370				

<210> 1482
 <211> 370
 <212> PRT
 <213> Homo sapiens

<400> 1482
Met His Arg Leu Ile Phe Val Tyr Thr Leu Ile Cys Ala Asn Phe Cys
1 5 10 15
Ser Cys Arg Asp Thr Ser Ala Thr Pro Gln Ser Ala Ser Ile Lys Ala
20 25 30
Leu Arg Asn Ala Asn Leu Arg Arg Asp Glu Ser Asn His Leu Thr Asp
35 40 45
Leu Tyr Arg Arg Asp Glu Thr Ile Gln Val Lys Gly Asn Gly Tyr Val
50 55 60
Gln Ser Pro Arg Phe Pro Asn Ser Tyr Pro Arg Asn Leu Leu Leu Thr
65 70 75 80
Trp Arg Leu His Ser Gln Glu Asn Thr Arg Ile Gln Leu Val Phe Asp
85 90 95
Asn Gln Phe Gly Leu Glu Glu Ala Glu Asn Asp Ile Cys Arg Tyr Asp
100 105 110
Phe Val Glu Val Glu Asp Ile Ser Glu Thr Ser Thr Ile Ile Arg Gly
115 120 125

Arg	Trp	Cys	Gly	His	Lys	Glu	Val	Pro	Pro	Arg	Ile	Lys	Ser	Arg	Thr	130	135	140
Asn	Gln	Ile	Lys	Ile	Thr	Phe	Lys	Ser	Asp	Asp	Tyr	Phe	Val	Ala	Lys	145	150	155
Pro	Gly	Phe	Lys	Ile	Tyr	Tyr	Ser	Leu	Leu	Glu	Asp	Phe	Gln	Pro	Ala	165	170	175
Ala	Ala	Ser	Glu	Thr	Asn	Trp	Glu	Ser	Val	Thr	Ser	Ser	Ile	Ser	Gly	180	185	190
Val	Ser	Tyr	Asn	Ser	Pro	Ser	Val	Thr	Asp	Pro	Thr	Leu	Ile	Ala	Asp	195	200	205
Ala	Leu	Asp	Lys	Lys	Ile	Ala	Glu	Phe	Asp	Thr	Val	Glu	Asp	Leu	Leu	210	215	220
Lys	Tyr	Phe	Asn	Pro	Glu	Ser	Trp	Gln	Glu	Asp	Leu	Glu	Asn	Met	Tyr	225	230	235
Leu	Asp	Thr	Pro	Arg	Tyr	Arg	Gly	Arg	Ser	Tyr	His	Asp	Arg	Lys	Ser	245	250	255
Lys	Val	Asp	Leu	Asp	Arg	Leu	Asn	Asp	Asp	Ala	Lys	Arg	Tyr	Ser	Cys	260	265	270
Thr	Pro	Arg	Asn	Tyr	Ser	Val	Asn	Ile	Arg	Glu	Glu	Leu	Lys	Leu	Ala	275	280	285
Asn	Val	Val	Phe	Phe	Pro	Arg	Cys	Leu	Leu	Val	Gln	Arg	Cys	Gly	Gly	290	295	300
Asn	Cys	Gly	Cys	Gly	Thr	Val	Asn	Trp	Arg	Ser	Cys	Thr	Cys	Asn	Ser	305	310	315
Gly	Lys	Thr	Val	Lys	Lys	Tyr	His	Glu	Val	Leu	Gln	Phe	Glu	Pro	Gly	325	330	335
His	Ile	Lys	Arg	Arg	Gly	Arg	Ala	Lys	Thr	Met	Ala	Leu	Val	Asp	Ile	340	345	350
Gln	Leu	Asp	His	His	Glu	Arg	Cys	Asp	Cys	Ile	Cys	Ser	Ser	Arg	Pro	355	360	365
Pro	Arg															370		

<210> 1483

<211> 229

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (206)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1483

Met	Tyr	Lys	Leu	Leu	Leu	Phe	Asp	Leu	Leu	Thr	Val	Leu	Ala	Val	Ala
1				5					10					15	

Leu	Leu	Ile	Gln	Phe	Pro	Arg	Lys	Leu	Leu	Cys	Gly	Leu	Cys	Pro	Gly
			20					25					30		

Ala	Leu	Gly	Arg	Leu	Ala	Gly	Thr	Gln	Glu	Phe	Gln	Val	Pro	Asp	Glu
		35					40					45			

Val	Leu	Gly	Leu	Ile	Tyr	Ala	Gln	Thr	Val	Val	Trp	Val	Gly	Ser	Phe
	50					55					60				

Phe	Cys	Pro	Leu	Leu	Pro	Leu	Leu	Asn	Thr	Val	Lys	Phe	Leu	Leu	Leu
65					70					75					80

Phe	Tyr	Leu	Lys	Lys	Leu	Thr	Leu	Phe	Ser	Thr	Cys	Ser	Pro	Ala	Ala
				85					90					95	

Arg	Thr	Phe	Arg	Ala	Ser	Ala	Ala	Asn	Phe	Phe	Phe	Pro	Leu	Val	Leu
			100					105					110		

Leu	Leu	Gly	Leu	Ala	Ile	Ser	Ser	Val	Pro	Leu	Leu	Tyr	Ser	Ile	Phe
		115					120					125			

Leu	Ile	Pro	Pro	Ser	Lys	Leu	Cys	Gly	Pro	Phe	Arg	Gly	Gln	Ser	Ser
	130					135					140				

Ile	Trp	Ala	Gln	Ile	Pro	Glu	Ser	Ile	Ser	Ser	Leu	Pro	Glu	Thr	Thr
145					150					155					160

Gln	Asn	Phe	Leu	Phe	Phe	Leu	Gly	Thr	Gln	Ala	Phe	Ala	Val	Pro	Leu
				165					170					175	

Leu	Leu	Ile	Ser	Ser	Ile	Leu	Met	Ala	Tyr	Thr	Val	Ala	Leu	Ala	Asn
			180					185					190		

Ser	Tyr	Gly	Arg	Leu	Ile	Ser	Glu	Leu	Lys	Arg	Gln	Arg	Xaa	Thr	Glu
		195					200					205			

Ala	Gln	Asn	Lys	Val	Phe	Leu	Ala	Arg	Arg	Ala	Val	Ala	Leu	Thr	Ser
	210					215					220				

Thr Lys Pro Ala Leu

225

<210> 1484

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1484

Phe	Leu	Gly	Thr	Gln	Ala	Phe	Ala	Val	Pro	Leu	Leu	Leu	Ile	Ser	Arg
1				5					10					15	

Ser	Gln	Thr	Phe	Gly	Tyr	Asn	Gly	Arg	Ala	Cys	Gln	Glu	Trp	Leu	Pro
			20					25					30		

Xaa	Leu	Ile	Ser	Ser	Ile	Leu	Met	Ala	Tyr	Thr	Val	Ala	Leu	Ala	Asn
	35						40					45			

Ser	Tyr	Gly	Arg	Leu	Ile	Ser	Glu	Leu	Lys	Arg	Gln	Arg	Xaa	Thr	Glu
	50					55					60				

Ala	Gln	Asn	Lys	Val	Phe	Leu	Ala	Arg	Arg	Ala	Val	Ala	Leu	Thr	Ser
65					70					75					80

Thr	Lys	Pro	Ala	Leu
				85

<210> 1485

<211> 229

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (206)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1485

Met Tyr Lys Leu Leu Leu Phe Asp Leu Leu Thr Val Leu Ala Val Ala

1	5	10	15
Leu Leu Ile Gln Phe Pro Arg Lys Leu Leu Cys Gly Leu Cys Pro Gly	20	25	30
Ala Leu Gly Arg Leu Ala Gly Thr Gln Glu Phe Gln Val Pro Asp Glu	35	40	45
Val Leu Gly Leu Ile Tyr Ala Gln Thr Val Val Trp Val Gly Ser Phe	50	55	60
Phe Cys Pro Leu Leu Pro Leu Leu Asn Thr Val Lys Phe Leu Leu Leu	65	70	75
Phe Tyr Leu Lys Lys Leu Thr Leu Phe Ser Thr Cys Ser Pro Ala Ala	85	90	95
Arg Thr Phe Arg Ala Ser Ala Ala Asn Phe Phe Phe Pro Leu Val Leu	100	105	110
Leu Leu Gly Leu Ala Ile Ser Ser Val Pro Leu Leu Tyr Ser Ile Phe	115	120	125
Leu Ile Pro Pro Ser Lys Leu Cys Gly Pro Phe Arg Gly Gln Ser Ser	130	135	140
Ile Trp Ala Gln Ile Pro Glu Ser Ile Ser Ser Leu Pro Glu Thr Thr	145	150	155
Gln Asn Phe Leu Phe Phe Leu Gly Thr Gln Ala Phe Ala Val Pro Leu	165	170	175
Leu Leu Ile Ser Ser Ile Leu Met Ala Tyr Thr Val Ala Leu Ala Asn	180	185	190
Ser Tyr Gly Arg Leu Ile Ser Glu Leu Lys Arg Gln Arg Xaa Thr Glu	195	200	205
Ala Gln Asn Lys Val Phe Leu Ala Arg Arg Ala Val Ala Leu Thr Ser	210	215	220
Thr Lys Pro Ala Leu	225		

<210> 1486

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1486

Met	Ala	Thr	Phe	Ser	Leu	Cys	Tyr	Leu	Met	Ala	Phe	Pro	Leu	Cys	Ala
1				5				10					15		
Gly	Ile	Ala	Gly	Ile	Ser	Val	Cys	Val	Lys	Ile	Ser	Cys	Phe	Tyr	Lys
		20					25						30		
Asp	Ile	Ser	Gln	Thr	Gly	Leu	Arg	Pro	Thr	Leu	Lys	Ala	Tyr	Leu	Asn
		35					40					45			
Phe	Asn	Leu	Leu	Phe	Ser	Gly	Pro	Ile	Ser	Lys	Tyr	Ser	Leu	Ile	Leu
	50					55					60				
Arg	Tyr	Trp	Tyr	Leu	Gly	Leu	Gln	His	Thr	Asn	Phe	Gly	Val	Asp	Thr
65					70					75				80	
Ile	Gln	Pro	Ile	Thr	Asn	Cys	Ala	His	Glu	Met	Ile	Tyr			
				85					90						

<210> 1487

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1487

Ala Leu Pro Phe Thr Leu Asn Lys Thr Ser Asn Tyr Pro Gln Asp Leu

1		5		10		15										
Val	Leu	Xaa	Ser	Leu	Leu	Leu	Gly	Xaa	Asn	Tyr	Xaa	Gln	Leu	Gln	Ile	
			20					25					30			
Leu	Leu	Glu	Cys	Ile	Phe	Pro	Val	Pro	His	Ser	Leu	Leu	Tyr	Val	Val	
		35					40					45				
Leu	Pro	Asn	Ser	Ile	Asp	Leu	Xaa	Gln	Lys	Leu	Pro	Arg	Asp	Leu	Pro	
		50				55					60					
His	Leu	Pro	Cys	Pro	Xaa	Phe	Leu	Trp	Pro	Arg	Pro	Gly	Ser	Pro	Pro	
65					70					75					80	
Lys	Cys	Phe	Leu	Ser	Leu	Ser	Leu	Thr	Ala	Leu	Pro	Leu	Ser	Ser	Cys	
				85					90					95		
Arg	Tyr	Thr	Leu	Pro	Pro	Ser	Pro	His	Pro	Leu	Met	Pro	Ser	Pro	Leu	
			100					105					110			
Leu	Pro	Ser	Trp	Val	Gln	Pro	Ser	Cys	Tyr	Leu	Ala					
		115					120									

<210> 1488
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1488																
Met	Ala	Thr	Phe	Ser	Leu	Cys	Tyr	Leu	Met	Ala	Phe	Pro	Leu	Cys	Ala	
1				5					10					15		
Gly	Ile	Ala	Gly	Ile	Ser	Val	Cys	Val	Lys	Ile	Ser	Cys	Phe	Tyr	Lys	
			20					25					30			
Asp	Ile	Ser	Gln	Thr	Gly	Leu	Arg	Pro	Thr	Leu	Lys	Ala	Tyr	Leu	Asn	
		35					40					45				
Phe	Asn	Leu	Leu	Phe	Ser	Gly	Pro	Ile	Gln	Ile						
		50				55										

<210> 1489
 <211> 314
 <212> PRT
 <213> Homo sapiens

<400> 1489																
Gly	Ser	Gly	Arg	Gln	Ala	Gly	Trp	Pro	Arg	Gly	Leu	Leu	Ser	Gly	Pro	

1		5		10		15											
Ala	Pro	Ser	Glu	Arg	Ser	Ala	Val	Ala	Arg	Leu	Ala	Pro	Thr	Glu	Ser		
			20					25					30				
Leu	Ala	Arg	Met	Glu	Ala	Val	Val	Asn	Leu	Tyr	Gln	Glu	Val	Met	Lys		
		35					40					45					
His	Ala	Asp	Pro	Arg	Ile	Gln	Gly	Tyr	Pro	Leu	Met	Gly	Ser	Pro	Leu		
	50					55					60						
Leu	Met	Thr	Ser	Ile	Leu	Leu	Thr	Tyr	Val	Tyr	Phe	Val	Leu	Ser	Leu		
65					70					75						80	
Gly	Pro	Arg	Ile	Met	Ala	Asn	Arg	Lys	Pro	Phe	Gln	Leu	Arg	Gly	Phe		
				85					90					95			
Met	Ile	Val	Tyr	Asn	Phe	Ser	Leu	Val	Ala	Leu	Ser	Leu	Tyr	Ile	Val		
			100					105					110				
Tyr	Glu	Phe	Leu	Met	Ser	Gly	Trp	Leu	Ser	Thr	Tyr	Thr	Trp	Arg	Cys		
		115					120					125					
Asp	Pro	Val	Asp	Tyr	Ser	Asn	Ser	Pro	Glu	Ala	Leu	Arg	Met	Val	Arg		
	130					135					140						
Val	Ala	Trp	Leu	Phe	Leu	Phe	Ser	Lys	Phe	Ile	Glu	Leu	Met	Asp	Thr		
145					150					155					160		
Val	Ile	Phe	Ile	Leu	Arg	Lys	Lys	Asp	Gly	Gln	Val	Thr	Phe	Leu	His		
				165					170					175			
Val	Phe	His	His	Ser	Val	Leu	Pro	Trp	Ser	Trp	Trp	Trp	Gly	Val	Lys		
			180					185					190				
Ile	Ala	Pro	Gly	Gly	Met	Gly	Ser	Phe	His	Ala	Met	Ile	Asn	Ser	Ser		
		195					200					205					
Val	His	Val	Ile	Met	Tyr	Leu	Tyr	Tyr	Gly	Leu	Ser	Ala	Phe	Gly	Pro		
	210					215					220						
Val	Ala	Gln	Pro	Tyr	Leu	Trp	Trp	Lys	Lys	His	Met	Thr	Ala	Ile	Gln		
225					230					235					240		
Leu	Ile	Gln	Phe	Val	Leu	Val	Ser	Leu	His	Ile	Ser	Gln	Tyr	Tyr	Phe		
				245					250					255			
Met	Ser	Ser	Cys	Asn	Tyr	Gln	Tyr	Pro	Val	Ile	Ile	His	Leu	Ile	Trp		
			260					265					270				
Met	Tyr	Gly	Thr	Ile	Phe	Phe	Met	Leu	Phe	Ser	Asn	Phe	Trp	Tyr	His		
		275					280					285					

Ser Tyr Thr Lys Gly Lys Arg Leu Pro Arg Ala Leu Gln Gln Asn Gly
 290 295 300

Ala Pro Gly Ile Ala Lys Val Lys Ala Asn
 305 310

<210> 1490

<211> 258

<212> PRT

<213> Homo sapiens

<400> 1490

Met Lys His Ala Asp Pro Arg Ile Gln Gly Tyr Pro Leu Met Gly Ser
 1 5 10 15

Pro Leu Leu Met Thr Ser Ile Leu Leu Thr Tyr Val Tyr Phe Val Leu
 20 25 30

Ser Leu Gly Pro Arg Ile Met Ala Asn Arg Lys Pro Phe Gln Leu Arg
 35 40 45

Gly Phe Met Ile Val Tyr Asn Phe Ser Leu Val Ala Leu Ser Leu Tyr
 50 55 60

Ile Val Tyr Glu Phe Leu Met Ser Gly Trp Leu Ser Thr Tyr Thr Trp
 65 70 75 80

Arg Cys Asp Pro Gln Asp Cys Thr Leu Gly Gln Cys Pro Ser Val Pro
 85 90 95

Ser Pro Pro Thr Pro Val Thr Lys Ala Tyr Val Val Arg Thr Glu Gln
 100 105 110

Gly Thr Gly Pro Pro Leu Pro Thr Ala Ala Leu Gln Gly Pro Arg Leu
 115 120 125

Trp Phe Leu Thr His Phe Pro Arg Ala Ala Pro Gly Met Trp Pro His
 130 135 140

Cys Cys Leu Pro Leu Gln Ser Trp Gly Leu Lys Gly Leu Tyr Ser Tyr
 145 150 155 160

Phe Pro Leu Pro Ala Leu Lys Leu Gly Arg Gly Ala Leu Arg Ala Gly
 165 170 175

Pro Thr Lys Gly Leu Val Ala Phe Phe Leu Thr Gln Lys Arg Ser Ala
 180 185 190

Ile Met Ser Leu Trp Thr Gln Ser His Ser Ser Thr Pro His Thr Glu

195	200	205
Ala Val Ala Ser Gly Pro Lys Val Arg Val Gly Gly Gly Leu Gly Ile		
210	215	220
Gln Pro Val Glu Ala Ala Tyr Ser Thr Cys Val Leu Ile Lys Ser Asp		
225	230	235
Arg Gly Asn Gln Lys Lys Lys Lys Lys Lys Lys Leu Glu Asn Tyr Phe		
	245	250
		255
Leu Lys		

<210> 1491
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 1491
Met Lys His Ala Asp Pro Arg Ile Gln Gly Tyr Pro Leu Met Gly Ser
1 5 10 15
Pro Leu Leu Met Thr Ser Ile Leu Leu Thr Tyr Val Tyr Phe Val Leu
20 25 30
Ser Leu Gly Pro Arg Ile Met Ala Asn Arg Lys Pro Phe Gln Leu Arg
35 40 45
Gly Phe Met Ile Val Tyr Asn Phe Ser Leu Val Ala Leu Ser Leu Tyr
50 55 60
Ile Val Tyr Glu Val Ile Phe Ile Leu Arg Lys Lys Asp Gly Gln Val
65 70 75 80
Thr Phe Leu His Val Phe His His Ser Val Leu Pro Trp Ser Trp Trp
85 90 95
Trp Gly Val Lys Ile Ala Pro Gly Gly Met Gly Ser Phe His Ala Met
100 105 110
Ile Asn Ser Ser Val His Val Ile Met Tyr Leu Tyr Tyr Gly Leu Ser
115 120 125
Ala Phe Gly Pro Val Ala Gln Pro Tyr Leu Trp Trp Lys Lys His Met
130 135 140
Thr Ala Ile Gln Leu Ile Gln Phe Val Leu Val Ser Leu His Ile Ser
145 150 155 160

Gln	Tyr	Tyr	Phe	Met	Ser	Ser	Cys	Asn	Tyr	Gln	Tyr	Pro	Val	Ile	Ile
				165					170					175	
His	Leu	Ile	Trp	Met	Tyr	Gly	Thr	Ile	Phe	Phe	Met	Leu	Phe	Ser	Asn
			180					185					190		
Phe	Trp	Tyr	His	Ser	Tyr	Thr	Lys	Gly	Lys	Arg	Leu	Pro	Arg	Ala	Leu
		195					200					205			
Gln	Gln	Asn	Gly	Ala	Pro	Gly	Ile	Ala	Lys	Val	Lys	Ala	Asn		
	210					215					220				

<210> 1492
 <211> 93
 <212> PRT
 <213> Homo sapiens

Met	Tyr	Gly	Leu	Ser	Ile	Cys	Tyr	Leu	Lys	Cys	Leu	Gly	Pro	Glu	Val
1				5					10					15	
Phe	Trp	Thr	Phe	Phe	Leu	Phe	Trp	Asn	Thr	Ser	Ile	Cys	Ile	Leu	Pro
			20					25					30		
Val	Glu	His	Pro	Lys	Ser	Glu	Ile	Ser	Lys	Ile	Gln	Asn	Val	Pro	Val
		35					40					45			
Ser	Leu	Asn	Ser	Ser	Val	Asp	Gly	His	Leu	Ser	Tyr	Phe	Arg	Phe	Glu
	50					55					60				
Ala	Ile	Met	Arg	Glu	Ala	Ala	Val	His	Val	Phe	Val	Tyr	Val	Lys	Cys
65					70					75					80
Val	Phe	Thr	Cys	Gln	Ile	Leu	Lys	Asp	Leu	Thr	Asp	Phe			
				85					90						

<210> 1493
 <211> 65
 <212> PRT
 <213> Homo sapiens

Lys	Leu	Ser	Asn	Cys	Asn	Cys	Phe	Gln	Leu	Leu	Ser	Glu	Val	Gly	Ile
1				5					10					15	
Met	Val	Asp	Leu	Ile	Ser	Ser	Val	Leu	Phe	Leu	Gln	Leu	Tyr	Tyr	Gln
			20					25					30		

Val Leu Asn Phe Gly Met Ile Val Ser Ser Ala Leu Met Ile Trp Lys
35 40 45

Gly Leu Met Val Ile Thr Gly Ser Glu Ser Pro Ile Val Val Val Leu
50 55 60

Arg
65

<210> 1494
<211> 93
<212> PRT
<213> Homo sapiens

<400> 1494
Met Tyr Gly Leu Ser Ile Cys Tyr Leu Lys Cys Leu Gly Pro Glu Val
1 5 10 15

Phe Trp Thr Phe Phe Leu Phe Trp Asn Thr Ser Ile Cys Ile Leu Pro
20 25 30

Val Glu His Pro Lys Ser Glu Ile Ser Lys Ile Gln Asn Val Pro Val
35 40 45

Ser Leu Asn Ser Ser Val Asp Gly His Leu Ser Tyr Phe Arg Phe Glu
50 55 60

Ala Ile Met Arg Glu Ala Ala Val His Val Phe Val Tyr Val Lys Cys
65 70 75 80

Val Phe Thr Cys Gln Ile Leu Lys Asp Leu Thr Asp Phe
85 90

<210> 1495
<211> 81
<212> PRT
<213> Homo sapiens

<400> 1495
Met Gly Lys Pro Ser Leu Leu Phe Phe Gly Leu Met Ala Ser Trp Arg
1 5 10 15

Thr Arg Ser Gln Ala Arg Arg Thr Trp Ser Thr Ser Ser Arg Met Pro
20 25 30

Gly Arg Asn Val Leu Leu Arg Ser Arg Lys Arg Arg Ser Gln Ile Ser
35 40 45

Ser Ser Ile Ser Trp Ser Ile Ala Leu Gly Pro Val Met Pro Trp Pro
50 55 60

Gly Leu Ile Leu Phe Leu Lys Ile Ser Arg Ser Ser Thr Pro Thr Arg
65 70 75 80

Leu

<210> 1496

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1496

Met Gly Lys Pro Ser Leu Leu Phe Phe Gly Leu Met Ala Ser Trp Arg
1 5 10 15

Thr Arg Ser Gln Ala Arg Arg Thr Trp Ser Thr Ser Ser Arg Met Pro
20 25 30

Gly Arg Asn Val Leu Leu Arg Ser Arg Lys Arg Arg Ser Gln Ile Ser
35 40 45

Ser Ser Ile Ser Trp Ser Ile Ala Leu Gly Pro Val Met Pro Trp Pro
50 55 60

Gly Leu Ile Leu Phe Leu Lys Ile Ser Arg Ser Ser Thr Pro Thr Arg
65 70 75 80

Leu

<210> 1497

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1497

Met Arg Leu Arg Phe Trp Leu Leu Ile Trp Leu Leu Leu Gly Phe Ile
1 5 10 15

Ser His Gln Pro Thr Pro Val Ile Asn Ser Leu Ala Val Tyr Arg His

20

25

30

Arg Glu Thr Asp Phe Gly Val Arg Val Arg Asp His Pro Trp Xaa
 35 40 45

<210> 1498

<211> 394

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (200)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (210)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (225)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (237)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (389)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1498

Glu Val Ile Asn Thr Leu Ala Asp His Arg His Arg Gly Thr Asp Phe
 1 5 10 15

Gly Gly Ser Pro Trp Leu Leu Ile Ile Thr Val Phe Leu Arg Ser Tyr

Val Pro Leu Pro Pro Ser Pro Leu Pro Pro Ser Val Asp Asp Asn Leu
 305 310 315 320
 Lys Thr Pro Pro Leu Ala Thr Gln Glu Ala Glu Ala Glu Lys Pro Pro
 325 330 335
 Lys Pro Lys Arg Trp Arg Val Asp Glu Val Glu Gln Ser Pro Lys Pro
 340 345 350
 Lys Arg Arg Arg Ala Asp Glu Val Glu Gln Ser Pro Lys Pro Lys Arg
 355 360 365
 Gln Arg Glu Ala Glu Ala Gln Gln Leu Pro Lys Pro Lys Arg Arg Arg
 370 375 380
 Leu Ser Lys Leu Xaa Thr Arg His Cys Thr
 385 390

<210> 1499

<211> 212

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1499

Met Arg Leu Arg Phe Trp Leu Leu Ile Trp Leu Leu Leu Gly Phe Ile
 1 5 10 15
 Ser His Gln Pro Thr Pro Val Ile Asn Ser Leu Ala Val Tyr Arg His
 20 25 30
 Arg Glu Thr Asp Phe Gly Val Gly Val Arg Asp His Pro Gly Gln His
 35 40 45
 Gly Lys Thr Pro Ser Xaa Gln Lys Leu Asp Asn Leu Ile Ile Ile Ile
 50 55 60
 Ile Gly Phe Leu Arg Arg Tyr Thr Phe Xaa Ile Leu Phe Cys Thr Ser
 65 70 75 80
 Xaa Leu Cys Val Ser Phe Leu Lys Thr Ile Phe Trp Ser Arg Asn Gly
 85 90 95
 His Asp Gly Ser Xaa Asp Val Gln Gln Arg Ala Trp Arg Ser Asn Arg
 100 105 110
 Ser Arg Gln Lys Gly Leu Arg Ser Ile Xaa Met His Thr Lys Lys Arg
 115 120 125
 Val Ser Ser Phe Arg Gly Asn Lys Ile Gly Leu Lys Asp Val Ile Thr
 130 135 140
 Leu Arg Arg His Val Glu Thr Lys Val Arg Ala Lys Ile Arg Lys Arg
 145 150 155 160
 Lys Val Thr Thr Lys Ile Asn Arg His Asn Lys Ile Asn Gly Lys Arg
 165 170 175
 Lys Thr Ala Arg Lys Gln Lys Met Phe Gln Arg Ala Gln Glu Leu Arg
 180 185 190
 Arg Arg Ala Glu Asp Tyr His Lys Cys Lys Val Arg Ser Phe Leu Pro
 195 200 205
 Ala Val Ala Gly
 210

<210> 1500
 <211> 121
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1500

Met	Ala	Thr	Leu	Val	Trp	Arg	Leu	Tyr	Leu	Leu	Gln	Pro	Glu	Leu	Val
1				5					10					15	
Leu	Pro	Ser	Pro	Pro	Pro	Pro	Pro	Arg	Phe	Pro	Gly	Pro	Val	Gln	Thr
			20					25					30		
Pro	Lys	Ile	Pro	Gly	Pro	Ala	Arg	Gly	Pro	Arg	Thr	Gly	Phe	Gln	Pro
		35					40					45			
Pro	Ala	Phe	Ser	Phe	Pro	Ser	Pro	Thr	Pro	Phe	Phe	Ser	Ala	Gly	Thr
	50					55					60				
Pro	Val	Leu	Ser	Trp	Lys	Phe	Ala	Val	Leu	Cys	Pro	Ile	Ala	Gln	Glu
65					70					75					80
Leu	Leu	Pro	Ala	Glu	Lys	Gly	Ala	Arg	Asn	Lys	Cys	Ser	Gly	Leu	Ser
				85					90					95	
Arg	Ser	Tyr	Ile	Phe	Ala	Met	Leu	Pro	Glu	Met	Gly	Gly	Xaa	Asn	Xaa
			100					105					110		
Leu	Xaa	Gln	Xaa	Asn	Glu	Trp	His	Gly							
		115					120								

<210> 1501

<211> 128

<212> PRT

<213> Homo sapiens

<400> 1501

Met	Asp	Arg	Leu	Lys	Ser	His	Leu	Thr	Val	Cys	Phe	Leu	Pro	Ser	Val
1				5					10					15	

Pro	Phe	Leu	Ile	Leu	Val	Ser	Thr	Leu	Ala	Thr	Ala	Lys	Ser	Val	Thr
			20					25					30		
Asn	Ser	Thr	Leu	Asn	Gly	Thr	Asn	Val	Val	Leu	Gly	Ser	Val	Pro	Val
		35					40					45			
Ile	Ile	Ala	Arg	Thr	Asp	His	Ile	Ile	Val	Lys	Glu	Gly	Asn	Ser	Ala
	50					55					60				
Leu	Ile	Asn	Cys	Ser	Val	Tyr	Gly	Ile	Pro	Asp	Pro	Gln	Phe	Lys	Trp
65					70					75					80
Tyr	Asn	Ser	Ile	Gly	Lys	Leu	Leu	Lys	Glu	Glu	Glu	Asp	Glu	Lys	Glu
				85					90					95	
Arg	Gly	Gly	Gly	Lys	Trp	Gln	Met	His	Asp	Ser	Gly	Leu	Leu	Asn	Ile
			100					105					110		
Thr	Lys	Val	Ser	Phe	Ser	Asp	Arg	Gly	Lys	Tyr	Thr	Val	Cys	Gly	Phe
		115					120					125			

<210> 1502
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1502
 Leu Glu Phe Lys Xaa Pro Xaa Xaa Gln Val Pro Pro Trp Xaa Trp Leu
 1 5 10 15

 Ser Leu Phe Lys Lys Tyr Arg Ser Ala Thr Ile Ala Asn Ala Arg Thr
 20 25 30

 Trp Val Phe Cys Ser Phe Phe Xaa Val Leu Ile Leu Leu Phe Leu Tyr
 35 40 45

 Asn Gly Val Ile Val Ile Asn Thr Asn Cys Ser Phe Trp Phe Ser Pro
 50 55 60

 His Cys His Phe Cys Pro Tyr Val Ser Leu Glu His Val Pro Gln Arg
 65 70 75 80

 Leu Trp Tyr Gln Ser Pro Val Pro Gly Leu Ile Ser Thr Ser His Ile
 85 90 95

 Thr Phe Val Met Phe Gln Ser Ser Tyr Glu Ala Cys Tyr Phe Phe Phe
 100 105 110

 Ile Pro Gln Ala Tyr Phe His Arg
 115 120

 <210> 1503
 <211> 409
 <212> PRT
 <213> Homo sapiens

 <400> 1503
 Met Asp Arg Leu Lys Ser His Leu Thr Val Cys Phe Leu Pro Ser Val
 1 5 10 15

 Pro Phe Leu Ile Leu Val Ser Thr Leu Ala Thr Ala Lys Ser Val Thr
 20 25 30

 Asn Ser Thr Leu Asn Gly Thr Asn Val Val Leu Gly Ser Val Pro Val
 35 40 45

 Ile Ile Ala Arg Thr Asp His Ile Ile Val Lys Glu Gly Asn Ser Ala
 50 55 60

 Leu Ile Asn Cys Ser Val Tyr Gly Ile Pro Asp Pro Gln Phe Lys Trp
 65 70 75 80

Tyr	Asn	Ser	Ile	Gly	Lys	Leu	Leu	Lys	Glu	Glu	Glu	Asp	Glu	Lys	Glu	85	90	95
Arg	Gly	Gly	Gly	Lys	Trp	Gln	Met	His	Asp	Ser	Gly	Leu	Leu	Asn	Ile	100	105	110
Thr	Lys	Val	Ser	Phe	Ser	Asp	Arg	Gly	Lys	Tyr	Thr	Cys	Val	Ala	Ser	115	120	125
Asn	Ile	Tyr	Gly	Thr	Val	Asn	Asn	Thr	Val	Thr	Leu	Arg	Val	Ile	Phe	130	135	140
Thr	Ser	Gly	Asp	Met	Gly	Val	Tyr	Tyr	Met	Val	Val	Cys	Leu	Val	Ala	145	150	155
Phe	Thr	Ile	Val	Met	Val	Leu	Asn	Ile	Thr	Arg	Leu	Cys	Met	Met	Ser	165	170	175
Ser	His	Leu	Lys	Lys	Thr	Glu	Lys	Ala	Ile	Asn	Glu	Phe	Phe	Arg	Thr	180	185	190
Glu	Gly	Ala	Glu	Lys	Leu	Gln	Lys	Ala	Phe	Glu	Ile	Ala	Lys	Arg	Ile	195	200	205
Pro	Ile	Ile	Thr	Ser	Ala	Lys	Thr	Leu	Glu	Leu	Ala	Lys	Val	Thr	Gln	210	215	220
Phe	Lys	Thr	Met	Glu	Phe	Ala	Arg	Tyr	Ile	Glu	Glu	Leu	Ala	Arg	Ser	225	230	235
Val	Pro	Leu	Pro	Pro	Leu	Ile	Met	Asn	Cys	Arg	Thr	Ile	Met	Glu	Glu	245	250	255
Ile	Met	Glu	Val	Val	Gly	Leu	Glu	Glu	Gln	Gly	Gln	Asn	Phe	Val	Arg	260	265	270
His	Thr	Pro	Glu	Gly	Gln	Glu	Ala	Ala	Asp	Arg	Asp	Glu	Val	Tyr	Thr	275	280	285
Ile	Pro	Asn	Ser	Leu	Lys	Arg	Ser	Asp	Ser	Pro	Ala	Ala	Asp	Ser	Asp	290	295	300
Ala	Ser	Ser	Leu	His	Glu	Gln	Pro	Gln	Gln	Ile	Ala	Ile	Lys	Val	Ser	305	310	315
Val	His	Pro	Gln	Ser	Lys	Lys	Glu	His	Ala	Asp	Asp	Gln	Glu	Gly	Gly	325	330	335
Gln	Phe	Glu	Val	Lys	Asp	Val	Glu	Glu	Thr	Glu	Leu	Ser	Ala	Glu	His	340	345	350

Ser Pro Glu Thr Ala Glu Pro Ser Thr Asp Val Thr Ser Thr Glu Leu
 355 360 365
 Thr Ser Glu Glu Pro Thr Pro Val Glu Val Pro Asp Lys Val Leu Pro
 370 375 380
 Pro Ala Tyr Leu Glu Ala Thr Glu Pro Ala Val Thr His Asp Lys Asn
 385 390 395 400
 Thr Cys Ile Ile Tyr Glu Ser His Val
 405

<210> 1504

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1504

Ser Met Lys Ala Lys Arg Asn Lys Gly Arg Trp Val Ala Ala Gly Pro
 1 5 10 15

Thr Ala Ala Thr Ala Trp Ile Val Leu Thr Val Gln Ala Ala Cys Pro
 20 25 30

Glu Gly Lys Cys Pro Leu Pro Gly Val Cys Ala Pro Ile Thr Trp Ala
 35 40 45

Pro Ser Tyr Leu Thr Ala Gly Lys Ala Lys Leu Ala Gly Pro Xaa Xaa
 50 55 60

Tyr Lys Pro Gly Pro Val Leu Lys Ala Ala His Leu Pro Met Gly Gln
 65 70 75 80

His Xaa His Thr Thr Pro Trp Trp Gln Pro Leu Phe Ile Ile Ser Val
 85 90 95

Ser Arg Tyr Pro Pro Arg Thr Pro Lys Gln His
100 105

<210> 1505
<211> 106
<212> PRT
<213> Homo sapiens

<400> 1505
Met Lys Ala Lys Arg Asn Lys Gly Arg Trp Val Ala Ala Gly Pro Thr
1 5 10 15
Ala Ala Thr Ala Trp Ile Val Leu Thr Val Gln Ala Ala Cys Pro Glu
20 25 30
Gly Lys Cys Pro Leu Pro Gly Val Cys Ala Pro Ile Thr Trp Ala Pro
35 40 45
Ser Tyr Leu Thr Ala Gly Lys Ala Lys Leu Ala Gly Pro Arg Thr Tyr
50 55 60
Lys Pro Gly Pro Val Leu Lys Ala Ala His Leu Pro Met Gly Gln His
65 70 75 80
Pro His Thr Thr Pro Trp Trp Gln Pro Leu Phe Ile Ile Ser Val Ser
85 90 95
Arg Tyr Pro Pro Arg Thr Pro Lys Gln His
100 105

<210> 1506
<211> 106
<212> PRT
<213> Homo sapiens

<400> 1506
Met Lys Ala Lys Arg Asn Lys Gly Arg Trp Val Ala Ala Gly Pro Thr
1 5 10 15
Ala Ala Thr Ala Trp Ile Val Leu Thr Val Gln Ala Ala Cys Pro Glu
20 25 30
Gly Lys Cys Pro Leu Pro Gly Val Cys Ala Pro Ile Thr Trp Ala Pro
35 40 45
Ser Tyr Leu Thr Ala Gly Lys Ala Lys Leu Ala Gly Pro Arg Thr Tyr
50 55 60

Lys Pro Gly Pro Val Leu Lys Ala Ala His Leu Pro Met Gly Gln His
65 70 75 80

Pro His Thr Thr Pro Trp Trp Gln Pro Leu Phe Ile Ile Ser Val Ser
85 90 95

Arg Tyr Pro Pro Arg Thr Pro Lys Gln His
100 105

<210> 1507

<211> 109

<212> PRT

<213> Homo sapiens

<400> 1507

Met Val Ser Cys Trp Asp Gln Asn Leu Ile Leu Phe Leu Thr Cys Leu
1 5 10 15

Leu Ala Val Leu Ile Phe Cys Leu Val Leu Ala Val Tyr Ile Val Phe
20 25 30

Phe Lys Phe Leu Lys Ala Ser Leu Ile Tyr Val Pro Arg Glu Trp Val
35 40 45

Thr Leu Thr Lys Ala Asn Asp Val Gln Lys Gly His Asp Leu Gly Leu
50 55 60

Ser Tyr Cys Arg Thr Gln Ser Thr Ala Trp Pro Pro Pro Cys Leu Gly
65 70 75 80

His His Leu His Leu Glu Ser Ser Leu Thr Leu Glu Ser Phe Gly Leu
85 90 95

Leu Thr Ile Pro Ile Ser Asp Ser Val Ser Leu Ile Thr
100 105

<210> 1508

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1508

Gly Val Arg Ile Asp Ala Ser Gly Ser Leu Ala Ala Val Leu Pro Leu
 1 5 10 15
 Asn His Tyr Thr Ile Thr Glu Phe Asn Phe Leu Gln Phe Gln Gly Xaa
 20 25 30
 Thr Glu Leu Ser Ser Asp Ser Lys Ile Arg Ile Ser Asn Arg Glu Trp
 35 40 45
 Ile His Leu Arg Ile Gly Glu Thr Asp Ile His Asp Leu Lys Gln Lys
 50 55 60
 Ser Glu Thr Lys Leu Ile Asn
 65 70

<210> 1509
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 1509
 Met Val Ser Cys Trp Asp Gln Asn Leu Ile Leu Phe Leu Thr Cys Leu
 1 5 10 15
 Leu Ala Val Leu Ile Phe Cys Leu Val Leu Ala Val Tyr Ile Val Phe
 20 25 30
 Phe Lys Phe Leu Lys Ala Ser Leu Ile Tyr Val Pro Arg Glu Trp Val
 35 40 45
 Thr Leu Thr Lys Ala Asn Asp Val Gln Lys Gly His Asp Leu Gly Leu
 50 55 60
 Ser Tyr Cys Arg Thr Gln Ser Thr Ala Trp Pro Pro Pro Cys Leu Gly
 65 70 75 80
 His His Leu His Leu Glu Ser Ser Leu Thr Leu Glu Ser Phe Gly Leu
 85 90 95
 Leu Thr Ile Pro Ile Ser Asp Ser Val Ser Leu Ile Thr
 100 105

<210> 1510
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 1510

Met Gly Leu Gln Ser Arg Leu Ser Gln Pro Cys His Cys Arg His Leu
 1 5 10 15
 Gly Leu Gly Asn Ser Val Val Gly Thr Val Leu Phe Leu Val Gly Cys
 20 25 30
 Leu Val Ala Ser Leu Pro Pro Pro Thr Arg Cys Gln Gly His Cys Ser
 35 40 45
 Pro Gln Pro Pro Ala Pro Val Val Thr Ile Val Ser Lys His Cys Gln
 50 55 60
 Met Val Gln Gly Lys Gly Lys Ile Ala Pro Val Glu Lys Ser Thr Ala
 65 70 75 80
 Val Lys

<210> 1511
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 1511
 Met Gly Leu Gln Ser Arg Leu Ser Gln Pro Cys His Cys Arg His Leu
 1 5 10 15
 Gly Leu Gly Asn Ser Val Val Gly Thr Val Leu Phe Leu Val Gly Cys
 20 25 30
 Leu Val Ala Ser Leu Pro Pro Pro Thr Arg Cys Gln Gly His Cys Ser
 35 40 45
 Pro Gln Pro Pro Ala Pro Val Val Thr Ile Val Ser Lys His Cys Gln
 50 55 60
 Met Val Gln Gly Lys Gly Lys Ile Ala Pro Val Glu Lys Ser Thr Ala
 65 70 75 80
 Val Lys

<210> 1512
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 1512

Met Lys Arg Gln Arg Leu Pro Leu Ala Leu Gln Asn Leu Phe Leu Tyr
 1 5 10 15
 Thr Phe Gly Val Leu Leu Asn Leu Gly Leu His Ala Gly Gly Gly Ser
 20 25 30
 Gly Pro Gly Leu Leu Glu Gly Phe Ser Gly Trp Ala Ala Leu Val Val
 35 40 45
 Leu Ser Gln Ala Leu Asn Gly Leu Leu Met Ser Ala Val Met Lys His
 50 55 60
 Gly Ser Ser Ile Thr Arg Leu Phe Val Val Ser Cys Ser Leu Val Val
 65 70 75 80
 Asn Ala Val Leu Ser Ala Val Leu Leu Arg Leu Gln Leu Thr Ala Ala
 85 90 95
 Phe Phe Leu Ala Thr Leu Leu Ile Gly Leu Ala Met Arg Leu Tyr Tyr
 100 105 110
 Gly Ser Arg
 115

<210> 1513
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 1513
 Met Lys Arg Gln Arg Leu Pro Leu Ala Leu Gln Asn Leu Phe Leu Tyr
 1 5 10 15
 Thr Phe Gly Val Leu Leu Asn Leu Gly Leu His Ala Gly Gly Gly Ser
 20 25 30
 Gly Pro Gly Leu Leu Glu Gly Phe Ser Gly Trp Ala Ala Leu Val Val
 35 40 45
 Leu Ser Gln Ala Leu Asn Gly Leu Leu Met Ser Ala Val Met Lys His
 50 55 60
 Gly Ser Ser Ile Thr Arg Leu Phe Val Val Ser Cys Ser Leu Val Val
 65 70 75 80
 Asn Ala Val Leu Ser Ala Val Leu Leu Arg Leu Gln Leu Thr Ala Ala
 85 90 95
 Phe Phe Leu Ala Thr Leu Leu Ile Gly Leu Ala Met Arg Leu Tyr Tyr
 100 105 110

Gly Ser Arg
115

<210> 1514
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1514
Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
1 5 10 15
Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
20 25 30
Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
35 40 45
Ile Ser Phe Leu Phe Ser Ala Trp
50 55

<210> 1515
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1515
Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
1 5 10 15
Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
20 25 30
Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
35 40 45
Ile Ser Phe Leu Phe Ser Ala Trp
50 55

<210> 1516
<211> 147
<212> PRT
<213> Homo sapiens

<400> 1516

Met Ala Arg Leu Lys Thr Val Leu Lys Tyr Val Leu Phe Leu Leu Gly
 1 5 10 15
 Thr Leu Val Ile Ala Met Ser Leu Gln Leu Asp Arg Arg Gly Met Trp
 20 25 30
 Asn Met Leu Gly Pro Cys Leu Phe Ala Phe Val Ile Met Ala Ser Met
 35 40 45
 Trp Ala Tyr Arg Cys Gly His Arg Arg Gln Cys Tyr Pro Thr Ser Trp
 50 55 60
 Gln Arg Trp Ala Phe Tyr Leu Leu Pro Gly Val Ser Met Ala Ser Val
 65 70 75 80
 Gly Ile Ala Ile Tyr Thr Ser Met Met Thr Ser Asp Asn Tyr Tyr Tyr
 85 90 95
 Thr His Ser Ile Trp His Ile Leu Leu Ala Gly Ser Ala Ala Leu Leu
 100 105 110
 Leu Pro Pro Pro Asp Gln Pro Ala Glu Pro Trp Ala Cys Ser Gln Lys
 115 120 125
 Phe Pro Cys His Tyr Gln Ile Cys Lys Asn Asp Arg Glu Glu Leu Tyr
 130 135 140
 Ala Val Thr
 145

<210> 1517
 <211> 147
 <212> PRT
 <213> Homo sapiens

<400> 1517
 Met Ala Arg Leu Lys Thr Val Leu Lys Tyr Val Leu Phe Leu Leu Gly
 1 5 10 15
 Thr Leu Val Ile Ala Met Ser Leu Gln Leu Asp Arg Arg Gly Met Trp
 20 25 30
 Asn Met Leu Gly Pro Cys Leu Phe Ala Phe Val Ile Met Ala Ser Met
 35 40 45
 Trp Ala Tyr Arg Cys Gly His Arg Arg Gln Cys Tyr Pro Thr Ser Trp
 50 55 60
 Gln Arg Trp Ala Phe Tyr Leu Leu Pro Gly Val Ser Met Ala Ser Val
 65 70 75 80

Gly Ile Ala Ile Tyr Thr Ser Met Met Thr Ser Asp Asn Tyr Tyr Tyr
85 90 95

Thr His Ser Ile Trp His Ile Leu Leu Ala Gly Ser Ala Ala Leu Leu
100 105 110

Leu Pro Pro Pro Asp Gln Pro Ala Glu Pro Trp Ala Cys Ser Gln Lys
115 120 125

Phe Pro Cys His Tyr Gln Ile Cys Lys Asn Asp Arg Glu Glu Leu Tyr
130 135 140

Ala Val Thr
145

<210> 1518
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1518
Met Trp Gln Tyr His Arg Leu Ser Cys Thr Ala Trp Gln Pro Val Ile
1 5 10 15

Leu Ser Phe Ser Leu Ser Val Gly His Arg Ile Leu Leu Ala Leu Phe
20 25 30

Phe Phe Ile Leu His Leu Ser Ile Leu Ile Ala Thr Glu Cys Arg Pro
35 40 45

Trp Tyr Ser Phe His Leu Val Ser Leu Pro Ser Phe Leu Pro Gln Phe
50 55 60

Leu Leu Cys Leu Ala Xaa Ile Cys Leu Phe Gly Phe Thr Thr Leu Leu
65 70 75 80

Phe Ser Phe Cys Cys Gln Val His Val Leu Gly His
85 90

<210> 1519
<211> 58
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1519

Asp Tyr Ile Leu Met Arg Gln Leu Arg Pro Ala Asn Phe Cys Ile Phe
1 5 10 15

Ser Arg Asp Arg Phe His Pro Val Ser Gln Ala Gly Leu Glu Leu Leu
20 25 30

Thr Ser Ser Asp Leu Xaa Ala Phe Gly Leu Pro Lys Tyr Trp Tyr Tyr
35 40 45

Arg His Glu Pro Pro Cys Leu Ala Ser Xaa
50 55

<210> 1520

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1520

Met Ala Ser Trp Pro Phe Leu Ser Pro Met Gly Pro Ile Ala Leu Ala
1 5 10 15

Leu Leu Thr Gln Ala Leu Ser Ser Xaa Val Gly Leu Cys Leu Ala Leu
20 25 30

Thr Cys Ser Arg Arg Pro Ser Pro Asp Ser Val Cys Ala Ser Cys Arg
35 40 45

Phe	Pro	Leu	Val	Pro	Leu	Cys	Cys	Gln	Pro	Ser	Leu	Pro	Ala	Leu	Leu
	50					55					60				

Arg	Pro	Val	Ser	His	Cys	Arg	Tyr	Pro	Gly	Thr	Ser	Trp	Val	Ser	Xaa
65					70					75					80

<210> 1521
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

Val	Asp	Leu	Val	Ser	Val	Asn	Val	Gly	Ser	Glu	Phe	Leu	Val	Thr	Leu
1				5					10					15	

Leu	Phe	Phe	Leu	Gly	Pro	Val	Thr	Gly	His	Leu	Asp	Arg	Leu	Asn	Ala
			20					25					30		

Ile	Leu	Glu	Leu	Asp	Ser	Tyr	Val	Phe	Ile	Cys	Thr	Pro	Xaa	Ser	His
		35					40					45			

Leu	Pro	Val	Ala	Ser	Ser	Asp	Ala
	50					55	

<210> 1522
 <211> 151
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (117)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (128)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (132)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (139)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1522
 Met Pro Leu Phe Phe Thr Arg Phe His Pro Ala Leu Gly Pro Leu Ala
 1 5 10 15
 Leu Ser Leu Leu Ala Gly Phe Ala Ala Gly Ser Leu Gln Ala Ile Gly
 20 25 30
 Arg Thr Glu Glu Lys Gly Val Arg Val Leu Thr Ser Gln Ala Pro Pro
 35 40 45
 Tyr Arg Val Met Gly Xaa Leu His Ser Ser Thr Lys Gly Phe Ser Phe
 50 55 60
 Cys Gln Gly Val Cys Pro Arg Ala Leu Ser Leu Trp Val Thr Thr Pro
 65 70 75 80
 Leu Phe Leu Pro Pro Ser Pro Arg Leu Ala Met Xaa Pro Thr Xaa Ser
 85 90 95
 Cys Pro Gly Tyr Cys His His Val Ser Leu Tyr Pro Val Tyr Ala Leu
 100 105 110
 Gln Leu Val Leu Xaa Gln Ile Leu Leu Xaa Trp Pro Asn Leu Met Xaa

115 120 125
 Tyr Trp Tyr Xaa His Leu Met Thr Gly Pro Xaa Ser Asp Gln Lys Arg
 130 135 140

Lys Ser Val Val Thr Leu Val
 145 150

<210> 1523
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1523
 Arg Val Asp Asn Phe Leu Cys Gln Phe Ile Arg Ile Tyr Leu Ile Leu
 1 5 10 15

Leu Ser Ser His Ile Ile Phe His Asn Thr Asn Val Ser Cys Tyr Pro
 20 25 30

Met Glu Ser His Leu Leu Phe Ser Tyr Asn Asn Thr Ala Val Ser Ile
 35 40 45

Leu Val His Arg Phe Phe Asn Ile Xaa Ile Ser Lys Phe Leu Lys Val
 50 55 60

Ile Ser Trp Asp Arg Asn Arg Asn Gly Ile Gly Ile Ser Lys Ser
 65 70 75

<210> 1524
 <211> 121
 <212> PRT
 <213> Homo sapiens

<400> 1524
 Met Pro Leu Phe Phe Thr Arg Phe His Pro Ala Leu Gly Pro Leu Ala
 1 5 10 15

Leu Ser Leu Leu Ala Gly Phe Ala Ala Gly Ser Leu Gln Ala Ile Gly
 20 25 30

Arg Thr Glu Glu Lys Gly Val Arg Val Leu Thr Ser Gln Ala Pro Pro
 35 40 45

Tyr	Arg	Val	Met	Gly	Gln	Leu	His	Ser	Ser	Thr	Lys	Gly	Phe	Ser	Phe
50						55					60				
Cys	Gln	Gly	Val	Cys	Pro	Arg	Ala	Leu	Ser	Leu	Trp	Val	Thr	Thr	Pro
65					70					75					80
Leu	Phe	Leu	Pro	Pro	Ser	Pro	Arg	Leu	Ala	Met	Val	Pro	Thr	Val	Ser
			85						90					95	
Cys	Pro	Gly	Tyr	Cys	Pro	Ser	Cys	Phe	Ser	Val	Ser	Cys	Leu	Cys	Phe
			100					105					110		
Thr	Thr	Gly	Pro	Ser	Ser	Asn	Ser	Ala							
		115					120								

<210> 1525

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1525

Met	Gly	Pro	Val	Ser	Glu	Leu	Ser	Ile	Phe	Ile	Leu	Leu	Phe	Val	Phe
1				5					10					15	

Cys	Phe	Xaa	Phe	Ser	Leu	Met	Pro	Asp	Ile	Arg	Arg	Thr	Leu	His	Phe
			20					25					30		

Trp	Leu	His	Ser	Leu	Leu	Tyr	Pro	His	Glu	Thr	Asp	Gln	Cys	Leu	Gln
		35					40					45			

Ser	Ser	Ala	Ile	Pro	Phe	Gln	Val	Phe	Tyr	Val	Gln	Gln	Lys	Lys	Arg
		50				55						60			

Ala	Ser	Leu	Ser	Ser	Ser	Ser	His	Ile	Ile	Lys	Gly	Ile	Ala	Pro	Leu
65					70					75					80

Leu	Asn	Gln	Ser	Val	Asn	His	Ser	Gly	Pro	Ile					
				85					90						

<210> 1526

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1526

Ser	Thr	Leu	Xaa	Val	Thr	Phe	Ile	Cys	Ser	Ser	Arg	Xaa	Leu	Leu	Arg
1				5					10					15	

Glu	Arg	Gly	Ala	Val	Leu	Lys	Thr	Asn	Pro	Ile	Pro	Ile	Leu	Leu	Lys
			20					25					30		

Lys	Pro	Leu	Leu	Cys	Pro	Ser	Phe	Ile	His	Asn	Leu	Val	Pro	His	Pro
		35					40					45			

His	Leu	Pro	Gln	Leu	Leu	Leu	Phe	Ser	Asn	Phe	Leu	Cys	Arg	Cys	Pro
	50					55					60				

Tyr	His
	65

<210> 1527

<211> 91

<212> PRT

<213> Homo sapiens

<400> 1527

Met	Gly	Pro	Val	Ser	Glu	Leu	Ser	Ile	Phe	Ile	Leu	Leu	Phe	Val	Phe
1				5					10					15	

Cys	Phe	Val	Phe	Ser	Leu	Met	Pro	Asp	Ile	Arg	Arg	Thr	Leu	His	Phe
			20					25					30		

Trp	Leu	His	Ser	Leu	Leu	Tyr	Pro	His	Glu	Thr	Asp	Gln	Cys	Leu	Gln
		35					40					45			

Ser	Ser	Ala	Ile	Pro	Phe	Gln	Val	Phe	Tyr	Val	Gln	Gln	Lys	Lys	Arg
		50				55					60				

Ala	Ser	Leu	Ser	Ser	Ser	Ser	His	Ile	Ile	Lys	Gly	Ile	Ala	Pro	Leu
	65					70				75					80

Leu	Asn	Gln	Ser	Val	Asn	His	Ser	Gly	Pro	Ile
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

<210> 1528

<211> 336

<212> PRT

<213> Homo sapiens

<400> 1528

Met Ala Leu Ala Arg Pro Val Arg Leu Phe Ser Leu Val Thr Arg Leu
 1 5 10 15

Leu Leu Ala Pro Arg Arg Gly Leu Thr Val Arg Ser Pro Asp Glu Pro
 20 25 30

Leu Pro Val Val Arg Ile Pro Val Ala Leu Gln Arg Gln Leu Glu Gln
 35 40 45

Arg Gln Ser Arg Arg Arg Asn Leu Pro Arg Pro Val Leu Val Arg Pro
 50 55 60

Gly Pro Leu Leu Val Ser Ala Arg Arg Pro Glu Leu Asn Gln Pro Ala
 65 70 75 80

Arg Leu Thr Leu Gly Arg Trp Glu Arg Ala Pro Leu Ala Ser Gln Gly
 85 90 95

Trp Lys Ser Arg Arg Ala Arg Arg Asp His Phe Ser Ile Glu Arg Ala
 100 105 110

Gln Gln Glu Ala Pro Ala Val Arg Lys Leu Ser Ser Lys Gly Ser Phe
 115 120 125

Ala Asp Leu Gly Leu Glu Pro Arg Val Leu His Ala Leu Gln Glu Ala
 130 135 140

Ala Pro Glu Val Val Gln Pro Thr Thr Val Gln Ser Ser Thr Ile Pro
 145 150 155 160

Ser Leu Leu Arg Gly Arg His Val Val Cys Ala Ala Glu Thr Gly Ser
 165 170 175

Gly Lys Thr Leu Ser Tyr Leu Leu Pro Leu Leu Gln Arg Leu Leu Gly
 180 185 190

Gln Pro Ser Leu Asp Ser Leu Pro Ile Pro Ala Pro Arg Gly Leu Val
 195 200 205

Leu Val Pro Ser Arg Glu Leu Ala Gln Gln Val Arg Ala Val Ala Gln
 210 215 220

Pro Leu Gly Arg Ser Leu Gly Leu Leu Val Arg Asp Leu Glu Gly Gly
 225 230 235 240
 His Gly Met Arg Arg Ile Arg Leu Gln Leu Ser Arg Gln Pro Ser Ala
 245 250 255
 Asp Val Leu Val Ala Thr Pro Gly Ala Leu Trp Lys Ala Leu Lys Ser
 260 265 270
 Arg Leu Ile Ser Leu Glu Gln Leu Ser Phe Leu Val Leu Asp Glu Ala
 275 280 285
 Asp Thr Leu Leu Asp Glu Ser Phe Leu Glu Leu Val Asp Tyr Ile Leu
 290 295 300
 Glu Lys Ser His Ile Ala Glu Gly Pro Ala Asp Leu Glu Asp Pro Phe
 305 310 315 320
 Asn Pro Lys Ala Gln Leu Val Leu Val Gly Ala Thr Phe Pro Glu Val
 325 330 335

<210> 1529

<211> 336

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (224)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1529

Met Ala Leu Ala Arg Pro Val Arg Leu Phe Ser Leu Val Thr Arg Leu
 1 5 10 15
 Leu Leu Ala Pro Arg Arg Gly Leu Thr Val Arg Ser Pro Asp Glu Pro
 20 25 30
 Leu Pro Val Val Arg Ile Pro Val Ala Leu Gln Arg Gln Leu Glu Gln
 35 40 45
 Arg Gln Ser Arg Arg Arg Asn Leu Pro Arg Pro Val Leu Val Arg Pro
 50 55 60
 Gly Pro Leu Leu Val Ser Ala Arg Arg Pro Glu Leu Asn Gln Pro Ala
 65 70 75 80

Arg	Leu	Thr	Leu	Gly	Arg	Trp	Glu	Arg	Ala	Pro	Leu	Ala	Ser	Gln	Gly	85	90	95
Trp	Lys	Ser	Arg	Arg	Ala	Arg	Arg	Asp	His	Phe	Ser	Ile	Glu	Arg	Ala	100	105	110
Gln	Gln	Glu	Ala	Pro	Ala	Val	Arg	Lys	Leu	Ser	Ser	Lys	Gly	Ser	Phe	115	120	125
Ala	Asp	Leu	Gly	Leu	Glu	Pro	Arg	Val	Leu	His	Ala	Leu	Gln	Glu	Ala	130	135	140
Ala	Pro	Glu	Val	Val	Gln	Pro	Thr	Thr	Val	Gln	Ser	Ser	Thr	Ile	Pro	145	150	155
Ser	Leu	Leu	Arg	Gly	Arg	His	Val	Val	Cys	Ala	Ala	Glu	Thr	Gly	Ser	165	170	175
Gly	Lys	Thr	Leu	Ser	Tyr	Leu	Leu	Pro	Leu	Leu	Gln	Arg	Leu	Leu	Gly	180	185	190
Gln	Pro	Ser	Leu	Asp	Ser	Leu	Pro	Ile	Pro	Ala	Pro	Arg	Gly	Leu	Val	195	200	205
Leu	Val	Pro	Ser	Arg	Glu	Leu	Ala	Gln	Gln	Val	Arg	Ala	Val	Ala	Xaa	210	215	220
Pro	Leu	Gly	Arg	Ser	Leu	Gly	Leu	Leu	Val	Arg	Asp	Leu	Glu	Gly	Gly	225	230	235
His	Gly	Met	Arg	Arg	Ile	Arg	Leu	Gln	Leu	Ser	Arg	Gln	Pro	Ser	Ala	245	250	255
Asp	Val	Leu	Val	Ala	Thr	Pro	Gly	Ala	Leu	Trp	Lys	Ala	Leu	Lys	Ser	260	265	270
Arg	Leu	Ile	Ser	Leu	Glu	Gln	Leu	Ser	Phe	Leu	Val	Leu	Asp	Glu	Ala	275	280	285
Asp	Thr	Leu	Leu	Asp	Glu	Ser	Phe	Leu	Glu	Leu	Val	Asp	Tyr	Ile	Leu	290	295	300
Glu	Lys	Ser	His	Ile	Ala	Glu	Gly	Pro	Ala	Asp	Leu	Glu	Asp	Pro	Phe	305	310	315
Asn	Pro	Lys	Ala	Gln	Leu	Val	Leu	Val	Gly	Ala	Thr	Phe	Pro	Glu	Val	325	330	335

<210> 1530
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1530
 Met Ser Phe Arg Ser Glu Leu Ala Met Trp Phe Gln Ala Ala Leu Val
 1 5 10 15
 Ser Ser Leu Val Leu Pro Thr Pro Pro Gly Ser Gly Gly Thr Ser Arg
 20 25 30
 Arg Lys Lys Trp Ile Lys Ser Trp Arg Asp Phe Lys Gln Tyr Leu Thr
 35 40 45
 His Ser Ser Arg His Asp Ser His Gln Leu Arg Ser Ser Asn Ala Phe
 50 55 60
 Leu Phe Asp Ala Gln Glu Asp Pro Ser Ala Leu Asp Ile Ala Ser Pro
 65 70 75 80
 Gly Gly Met Ala Ala Glu Asp Glu Ile Gln Arg Gln Arg
 85 90

<210> 1531
 <211> 219
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1531
 Ala Ala Ala Thr Ala Ala Ser Leu Ser Pro Arg Gly Cys Arg Leu Arg
 1 5 10 15
 Thr Pro Ser Ser Asp Val Ser Pro Ser Arg Ala Pro Pro Pro Ser Ala
 20 25 30
 Ala Pro Leu Pro Thr Gly Arg Ala Xaa Met Ser Pro Ser Gly Arg Leu
 35 40 45
 Cys Leu Leu Thr Ile Val Gly Leu Ile Leu Pro Thr Arg Gly Gln Thr
 50 55 60
 Leu Lys Asp Thr Thr Ser Ser Ser Ser Ala Asp Ser Thr Ile Met Asp
 65 70 75 80

				85					90					95		
Ala	Ala	His	Pro	Thr	Asp	Asp	Thr	Thr	Thr	Leu	Ser	Glu	Arg	Pro	Ser	
			100						105					110		
Pro	Ser	Thr	Asp	Val	Gln	Thr	Asp	Pro	Gln	Thr	Leu	Lys	Pro	Ser	Gly	
		115					120					125				
Phe	His	Glu	Asp	Asp	Pro	Phe	Phe	Tyr	Asp	Glu	His	Thr	Leu	Arg	Lys	
	130					135					140					
Arg	Gly	Leu	Leu	Val	Ala	Ala	Val	Leu	Phe	Ile	Thr	Gly	Ile	Ile	Ile	
145					150					155					160	
Leu	Thr	Ser	Gly	Lys	Cys	Arg	Gln	Leu	Ser	Arg	Leu	Cys	Arg	Asn	His	
				165					170					175		
Cys	Arg															

<210> 1533
 <211> 152
 <212> PRT
 <213> Homo sapiens

<400> 1533																
Met	Glu	Leu	Pro	Ala	Val	Asn	Leu	Lys	Val	Ile	Leu	Leu	Gly	His	Trp	
1				5					10					15		
Leu	Leu	Thr	Thr	Trp	Gly	Cys	Ile	Val	Phe	Ser	Gly	Ser	Tyr	Ala	Trp	
			20					25					30			
Ala	Asn	Phe	Thr	Ile	Leu	Ala	Leu	Gly	Val	Trp	Ala	Val	Ala	Gln	Arg	
		35					40					45				
Asp	Ser	Ile	Asp	Ala	Ile	Ser	Met	Phe	Leu	Gly	Gly	Leu	Leu	Ala	Thr	
	50					55					60					
Ile	Phe	Leu	Asp	Ile	Val	His	Ile	Ser	Ile	Phe	Tyr	Pro	Arg	Val	Ser	
65					70					75					80	
Leu	Thr	Asp	Thr	Gly	Arg	Phe	Gly	Val	Gly	Met	Ala	Ile	Leu	Ser	Leu	
				85					90					95		
Leu	Leu	Lys	Pro	Leu	Ser	Cys	Cys	Phe	Val	Tyr	His	Met	Tyr	Arg	Glu	
			100					105					110			
Arg	Gly	Gly	Phe	Leu	Gly	Ser	Ser	Gln	Asp	Arg	Ser	Ala	Tyr	Gln	Thr	
	115						120					125				

Ile Asp Ser Ala Glu Ala Pro Ala Asp Pro Phe Ala Val Pro Glu Gly
 130 135 140

Arg Ser Gln Asp Ala Arg Gly Tyr
 145 150

<210> 1534

<211> 159

<212> PRT

<213> Homo sapiens

<400> 1534

Met Glu Leu Pro Ala Val Asn Leu Lys Val Ile Leu Leu Gly His Trp
 1 5 10 15

Leu Leu Thr Thr Trp Gly Cys Ile Val Phe Ser Gly Ser Tyr Ala Trp
 20 25 30

Ala Asn Phe Thr Ile Leu Ala Leu Gly Val Trp Ala Val Ala Gln Arg
 35 40 45

Asp Ser Ile Asp Ala Ile Ser Met Phe Leu Gly Gly Leu Leu Ala Thr
 50 55 60

Ile Phe Leu Asp Ile Val His Ile Ser Ile Phe Tyr Pro Arg Val Ser
 65 70 75 80

Leu Thr Asp Thr Gly Arg Phe Gly Val Gly Met Ala Ile Leu Ser Leu
 85 90 95

Leu Leu Lys Pro Leu Ser Cys Cys Phe Val Tyr His Met Tyr Arg Glu
 100 105 110

Arg Gly Gly Glu Leu Leu Val His Thr Gly Phe Leu Gly Ser Ser Gln
 115 120 125

Asp Arg Ser Ala Tyr Gln Thr Ile Asp Ser Ala Glu Ala Pro Ala Asp
 130 135 140

Pro Phe Ala Val Pro Glu Gly Arg Ser Gln Asp Ala Arg Gly Tyr
 145 150 155

<210> 1535

<211> 91

<212> PRT

<213> Homo sapiens

<400> 1535

Met	Pro	Leu	Ala	Pro	Leu	Leu	Leu	Val	Leu	Ser	Pro	Phe	Ser	Phe	Asp
1				5					10					15	
Gln	Val	Val	Gln	Ala	Arg	Leu	Glu	Val	Pro	Val	Phe	Lys	Gln	Arg	Asp
			20					25					30		
Leu	Cys	Asn	Tyr	Val	Leu	Ile	Leu	Val	Gly	Ala	Gln	Leu	Lys	Pro	Leu
		35					40					45			
Ala	Met	Leu	Val	Lys	Asn	Ile	Arg	Asp	Tyr	Arg	Leu	Glu	Pro	Pro	Cys
	50					55					60				
Pro	Ala	Cys	Ile	Asp	Thr	Phe	Tyr	Pro	Thr	Phe	Lys	Thr	Gly	Met	Phe
65					70					75					80
Ser	Leu	Cys	Phe	Lys	Met	Pro	Leu	Lys	Tyr	Phe					
				85					90						

<210> 1536
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1536															
Ser	Ala	Thr	His	Gln	Gln	Ala	Leu	Val	Cys	Asp	Val	Leu	Leu	Pro	Val
1				5					10					15	
Ser	Met	Cys	Ser	His	Glu	Asn	Leu	Tyr	Ile	Leu	Cys	Ser	Gly	Val	Ser
			20					25					30		
Tyr	Phe	Ile	Phe	Phe	Phe	Ser	Cys	Val	Thr	Ser	Val	Thr	Ser	Gly	Leu
		35					40					45			
Gly	Ile	Pro	Ser	Tyr	Pro	Glu	Val	Arg	Lys	Tyr	Ser	Ser	Ile	Phe	Phe
	50					55					60				

<210> 1537
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 1537															
Met	Pro	Leu	Ala	Pro	Leu	Leu	Leu	Val	Leu	Ser	Pro	Phe	Ser	Phe	Asp
1				5					10					15	

Gln Val Val Gln Ala Arg Leu Glu Val Pro Val Phe Lys Gln Arg Asp
 20 25 30
 Leu Cys Asn Tyr Val Leu Ile Leu Val Gly Ala Gln Leu Lys Pro Leu
 35 40 45
 Ala Met Leu Val Lys Asn Ile Arg Asp Tyr Arg Leu Glu Pro Pro Cys
 50 55 60
 Pro Ala Cys Ile Asp Thr Phe Tyr Pro Thr Phe Lys Thr Gly Met Phe
 65 70 75 80
 Ser Leu Cys Phe Lys Met Pro Leu Lys Tyr Phe
 85 90

<210> 1538
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (104)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1538
 Met Asp Leu Trp Thr Thr Ser Phe Phe Phe Phe Ala Val Met His Asn
 1 5 10 15
 Ala Ala Met Asn Ile Asn Val Gln Val Ser Glu Ser Gly Phe Ser Phe
 20 25 30
 Trp Gly Arg Tyr Leu Gly Val Glu Leu Leu Gly Cys Val Val Asn Leu
 35 40 45

Tyr	Leu	Phe	Lys	Lys	Trp	Pro	Asn	Cys	Phe	Leu	Asn	Gly	Cys	Ile	Ile
50						55					60				
Leu	His	Pro	His	Gln	Gln	Tyr	Ile	Arg	Val	Ser	Cys	Phe	Ser	Thr	Ser
65					70					75					80
Tyr	Leu	Leu	Met	Ala	Phe	Lys	Asn	Tyr	Arg	His	Ser	Xaa	Lys	Cys	Glu
				85					90					95	
Val	Xaa	Pro	His	Cys	Ser	Leu	Xaa	Cys	Xaa	Phe	Leu	Ile	Thr	Met	Met
			100					105					110		

<210> 1539
 <211> 113
 <212> PRT
 <213> Homo sapiens

Met	Asp	Leu	Trp	Thr	Thr	Ser	Phe	Phe	Phe	Phe	Ala	Val	Met	His	Asn
1				5					10					15	
Ala	Ala	Met	Asn	Ile	Asn	Val	Gln	Val	Ser	Glu	Ser	Gly	Phe	Ser	Phe
			20					25					30		
Trp	Gly	Arg	Tyr	Leu	Gly	Val	Glu	Leu	Leu	Gly	Cys	Val	Val	Asn	Leu
		35					40					45			
Tyr	Leu	Phe	Lys	Lys	Trp	Pro	Asn	Cys	Phe	Leu	Asn	Gly	Cys	Ile	Ile
	50					55					60				
Leu	His	Pro	His	Gln	Gln	Tyr	Ile	Arg	Val	Ser	Cys	Phe	Ser	Thr	Ser
65					70					75					80
Tyr	Leu	Leu	Met	Ala	Phe	Lys	Asn	Tyr	Arg	His	Ser	Cys	Lys	Cys	Glu
				85					90					95	
Val	Val	Ser	His	Cys	Ser	Phe	Ser	Leu	His	Phe	Pro	Asn	Asn	Asn	Asp
			100					105					110		

Val

<210> 1540
 <211> 113
 <212> PRT

<213> Homo sapiens

<400> 1540

Met Asp Leu Trp Thr Thr Ser Phe Phe Phe Phe Ala Val Met His Asn
1 5 10 15

Ala Ala Met Asn Ile Asn Val Gln Val Ser Glu Ser Gly Phe Ser Phe
20 25 30

Trp Gly Arg Tyr Leu Gly Val Glu Leu Leu Gly Cys Val Val Asn Leu
35 40 45

Tyr Leu Phe Lys Lys Trp Pro Asn Cys Phe Leu Asn Gly Cys Ile Ile
50 55 60

Leu His Pro His Gln Gln Tyr Ile Arg Val Ser Cys Phe Ser Thr Ser
65 70 75 80

Tyr Leu Leu Met Ala Phe Lys Asn Tyr Arg His Ser Cys Lys Cys Glu
85 90 95

Val Val Ser His Cys Ser Phe Ser Leu His Phe Pro Asn Asn Asn Asp
100 105 110

Val

<210> 1541

<211> 111

<212> PRT

<213> Homo sapiens

<400> 1541

Met Arg Met Ser Leu Ala Asp Ser Leu Ala Cys Ser Val Cys Val Ala
1 5 10 15

Leu Thr Ala Ala Ala Arg Leu Leu Arg Ser Arg Pro Ser Ser Cys Ser
20 25 30

Ser Phe Ser Trp Ile Ser Gly Thr Ser Ser Ser Pro Ser Phe Leu Gly
35 40 45

Ser Phe Thr Ser Leu Leu Gly Ser Ser Leu Ser Ser Leu Gly Asp Ser
50 55 60

Leu Leu Gly Arg Gly Thr Leu Gly Asn Phe Trp Glu Val Leu Ile Ser
65 70 75 80

Thr Ser Thr Ser Ser Trp Ala Asp Phe Ser Ser Leu Val Ser Thr Ser
85 90 95

Pro Lys Val Arg Val Pro Leu Arg Pro Ile Phe Thr Cys Phe Leu
100 105 110

<210> 1542
<211> 148
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1542
Gly Phe Xaa Ala Ala Ala Ala Ala Ala Val Val Ala Ala Ala Ala
1 5 10 15

Ala Ala Ser Val Glu Gly Arg Gln Pro Pro Gly Leu Gly Ala Val Gly
20 25 30

Pro Ala Gly Arg Xaa Ala Gly Ser Xaa Gly Xaa Arg Met Pro Ala Gly
35 40 45

Arg Val Ala Gly Ala Val Thr Gly Leu Gly Val Ser Trp Leu Arg Gly

50		55		60											
Lys	Asn	Ser	Gly	Val	Pro	Gly	Ala	Ala	Leu	Pro	Pro	Ala	Ala	Pro	Ser
65					70					75					80
Val	Ala	Ser	Leu	Val	Ala	His	Ser	Gly	Pro	Ala	Val	Gly	Pro	Pro	Leu
				85					90					95	
Ser	Pro	Xaa	Ser	Val	Pro	Gln	Gly	Gly	Tyr	Ser	Lys	Ser	Gly	Leu	Pro
			100					105					110		
Leu	Gln	Asp	Ala	Gly	Ser	Pro	Trp	Xaa	His	Cys	Arg	Gly	Thr	Asp	Cys
		115					120					125			
Gly	Ser	Ser	Met	Leu	Asn	Gly	Val	Glu	Ala	Gly	Leu	Ala	Ala	Ala	Ala
130						135					140				
Ser	Cys	Cys	His												
145															

<210> 1543
 <211> 191
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (180)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (181)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (190)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1543
Met Ser Ser Asn Thr Met Leu Gln Lys Thr Leu Leu Ile Leu Ile Ser
1 5 10 15
Phe Ser Val Val Thr Trp Met Ile Phe Ile Ile Ser Gln Asn Phe Thr
20 25 30
Lys Leu Trp Ser Ala Leu Asn Leu Ser Ile Ser Val His Tyr Trp Asn
35 40 45

Asn	Ser	Ala	Lys	Ser	Leu	Phe	Pro	Lys	Thr	Ser	Leu	Ile	Pro	Leu	Lys
	50					55					60				
Pro	Leu	Thr	Glu	Thr	Glu	Leu	Arg	Ile	Lys	Glu	Ile	Ile	Glu	Lys	Leu
	65				70				75						80
Asp	Gln	Gln	Ile	Pro	Pro	Arg	Pro	Phe	Thr	His	Val	Asn	Thr	Thr	Thr
				85					90					95	
Ser	Ala	Thr	His	Ser	Thr	Ala	Thr	Ile	Leu	Asn	Pro	Arg	Asp	Thr	Tyr
			100					105					110		
Cys	Arg	Gly	Asp	Gln	Leu	Asp	Ile	Leu	Leu	Glu	Val	Arg	Asp	His	Leu
		115					120					125			
Gly	Gln	Arg	Lys	Gln	Tyr	Gly	Gly	Asp	Phe	Leu	Arg	Ala	Arg	Met	Ser
	130					135					140				
Phe	Pro	Ala	Leu	Thr	Ala	Gly	Ala	Ser	Gly	Lys	Val	Met	Asp	Phe	Thr
	145				150					155					160
Met	Ala	Pro	Thr	Trp	Gln	Leu	His	Ser	Gly	Leu	Gly	Gly	Pro	Gly	Leu
				165					170					175	
Pro	Gly	Ser	Xaa	Xaa	Tyr	Ser	Pro	Gln	Val	Glu	Gly	Ala	Xaa	Gly	
			180					185					190		

<210> 1544

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1544

Asn	Xaa	Phe	Ala	Xaa	Trp	Xaa	Gln	Lys	Asp	Thr	Leu	Arg	Ile	Gln	Trp
1				5					10					15	

Lys	Lys	His	Ser	Tyr	Pro	Phe	Val	Thr	Phe	Gln	Xaa	Tyr	Ser	Leu	Ile
			20					25					30		

Xaa	His	Asp	Tyr	Ile	Pro	Arg	Glu	Ile	Asp	Arg	Leu	Ser	Gly	Asp	Lys
		35					40					45			

Asn	Thr	Ala	Ile	Val	Ile	Thr	Phe	Gly	Gln	His	Phe	Arg	Pro	Phe	Pro
	50					55					60				

Ile	Asp	Ile	Phe	Ile	Arg	Arg	Ala	Ile	Gly	Val	Gln	Lys	Ala	Ile	Glu
65					70					75					80

Arg	Leu	Phe	Leu	Arg	Ser	Pro	Ala	Thr	Lys	Val	Ile	Ile	Lys	Thr	Glu
				85					90					95	

Asn	Ile	Arg	Glu	Met	His	Ile	Glu	Thr	Glu	Arg	Phe	Gly	Asp	Phe	His
			100					105					110		

Gly	Tyr	Ile	His	Tyr	Leu	Ile	Met	Lys	Asp	Ile	Phe	Lys	Asp	Leu	Asn
		115					120					125			

Val	Gly	Ile	Ile	Asp	Ala	Trp	Asp	Met	Thr	Ile	Ala	Tyr	Gly	Thr	Asp
	130					135					140				

Thr	Ile	His	Pro	Pro	Asp	His	Val	Ile	Gly	Asn	Gln	Ile	Asn	Met	Phe
145					150					155					160

Leu	Asn	Tyr	Ile	Cys
				165

<210> 1545

<211> 303

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (177)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (179)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (192)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (294)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (297)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (302)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1545
 Met Ser Ser Asn Thr Met Leu Gln Lys Thr Leu Leu Ile Leu Ile Ser
 1 5 10 15
 Phe Ser Val Val Thr Trp Met Ile Phe Ile Ile Ser Gln Asn Phe Thr
 20 25 30
 Lys Leu Trp Ser Ala Leu Asn Leu Ser Ile Ser Val His Tyr Trp Asn
 35 40 45
 Asn Ser Ala Lys Ser Leu Phe Pro Lys Thr Ser Leu Ile Pro Leu Lys
 50 55 60
 Pro Leu Thr Glu Thr Glu Leu Arg Ile Lys Glu Ile Ile Glu Lys Leu
 65 70 75 80
 Asp Gln Gln Ile Pro Pro Arg Pro Phe Thr His Val Asn Thr Thr Thr
 85 90 95
 Ser Ala Thr His Ser Thr Ala Thr Ile Leu Asn Pro Arg Asp Thr Tyr
 100 105 110

<212> PRT

<213> Homo sapiens

<400> 1547

Met	Ser	Ser	Asn	Thr	Met	Leu	Gln	Lys	Thr	Leu	Leu	Ile	Leu	Ile	Ser
1				5					10					15	
Phe	Ser	Val	Val	Thr	Trp	Met	Ile	Phe	Ile	Ile	Ser	Gln	Asn	Phe	Thr
			20					25					30		
Lys	Leu	Trp	Ser	Ala	Leu	Asn	Leu	Ser	Ile	Ser	Val	His	Tyr	Trp	Asn
		35					40					45			
Asn	Ser	Ala	Lys	Ser	Leu	Phe	Pro	Lys	Thr	Ser	Leu	Ile	Pro	Leu	Lys
	50					55					60				
Pro	Leu	Thr	Glu	Thr	Glu	Leu	Arg	Ile	Lys	Glu	Ile	Ile	Glu	Lys	Leu
65					70					75					80
Asp	Gln	Gln	Ile	Pro	Pro	Arg	Pro	Phe	Thr	His	Val	Asn	Thr	Thr	Thr
				85					90					95	
Ser	Ala	Thr	His	Ser	Thr	Ala	Thr	Ile	Leu	Asn	Pro	Arg	Asp	Thr	Tyr
			100					105					110		
Cys	Arg	Gly	Asp	Gln	Leu	Asp	Ile	Leu	Leu	Glu	Val	Arg	Asp	His	Leu
		115					120					125			
Gly	Gln	Arg	Lys	Gln	Tyr	Gly	Gly	Asp	Phe	Leu	Arg	Ala	Arg	Met	Ser
	130					135					140				
Ser	Pro	Ala	Leu	Thr	Ala	Gly	Ala	Ser	Gly	Lys	Val	Met	Asp	Phe	Asn
145					150					155					160
Asn	Gly	Thr	Tyr	Leu	Val	Ser	Phe	Thr	Leu	Phe	Trp	Glu	Gly	Gln	Val
				165					170					175	
Ser	Leu	Ser	Leu	Leu	Leu	Ile	His	Pro	Ser	Glu	Gly	Ala	Ser	Ala	Leu
			180					185					190		
Trp	Arg	Ala	Arg	Asn	Gln	Gly	Tyr	Asp	Lys	Ile	Ile	Phe	Lys	Gly	Lys
		195					200					205			
Phe	Val	Asn	Gly	Thr	Ser	His	Val	Phe	Thr	Glu	Cys	Gly	Leu	Thr	Leu
	210					215					220				
Asn	Ser	Asn	Ala	Glu	Leu	Cys	Glu	Tyr	Leu	Asp	Asp	Arg	Asp	Gln	Glu
225					230					235					240
Ala	Phe	Tyr	Cys	Met	Lys	Pro	Gln	His	Met	Pro	Cys	Glu	Ala	Leu	Thr
				245					250					255	

Tyr	Met	Thr	Thr	Arg	Asn	Arg	Glu	Val	Ser	Tyr	Leu	Thr	Asp	Lys	Glu	260	265	270
Asn	Ser	Leu	Phe	His	Arg	Ser	Lys	Val	Gly	Val	Glu	Met	Met	Lys	Asp	275	280	285
Arg	Lys	His	Ile	Asp	Val	Thr	Asn	Cys	Asn	Lys	Arg	Glu	Lys	Ile	Glu	290	295	300
Glu	Thr	Cys	Gln	Val	Gly	Met	Lys	Pro	Pro	Val	Pro	Gly	Gly	Tyr	Thr	305	310	315
Leu	Gln	Gly	Lys	Trp	Ile	Thr	Thr	Phe	Cys	Asn	Gln	Val	Gln	Leu	Asp	325	330	335
Thr	Ile	Lys	Ile	Asn	Gly	Cys	Leu	Lys	Gly	Lys	Leu	Ile	Tyr	Leu	Leu	340	345	350
Gly	Asp	Ser	Thr	Leu	Arg	Gln	Trp	Ile	Tyr	Tyr	Phe	Pro	Lys	Val	Val	355	360	365
Lys	Thr	Leu	Lys	Phe	Phe	Asp	Leu	His	Glu	Thr	Gly	Ile	Phe	Lys	Lys	370	375	380
His	Leu	Leu	Leu	Asp	Ala	Glu	Arg	His	Thr	Gln	Ile	Gln	Trp	Lys	Lys	385	390	395
His	Ser	Tyr	Pro	Phe	Val	Thr	Phe	Gln	Leu	Tyr	Ser	Leu	Ile	Asp	His	405	410	415
Asp	Tyr	Ile	Pro	Arg	Glu	Ile	Asp	Arg	Leu	Ser	Gly	Asp	Lys	Asn	Thr	420	425	430
Ala	Ile	Val	Ile	Thr	Phe	Gly	Gln	His	Phe	Arg	Pro	Phe	Pro	Ile	Asp	435	440	445
Ile	Phe	Ile	Arg	Arg	Ala	Ile	Gly	Val	Gln	Lys	Ala	Ile	Glu	Arg	Leu	450	455	460
Phe	Leu	Arg	Ser	Pro	Ala	Thr	Lys	Val	Ile	Ile	Lys	Thr	Glu	Asn	Ile	465	470	475
Arg	Glu	Met	His	Ile	Glu	Thr	Glu	Arg	Phe	Gly	Asp	Phe	His	Gly	Tyr	485	490	495
Ile	His	Tyr	Leu	Ile	Met	Lys	Asp	Ile	Phe	Lys	Asp	Leu	Asn	Val	Gly	500	505	510
Ile	Ile	Asp	Ala	Trp	Asp	Met	Thr	Ile	Ala	Tyr	Gly	Thr	Asp	Thr	Ile	515	520	525
His	Pro	Pro	Asp	His	Val	Ile	Gly	Asn	Gln	Ile	Asn	Met	Phe	Leu	Asn			

530

535

540

Tyr Ile Cys
545

<210> 1548

<211> 246

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (212)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (220)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (243)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1548

Met	Ala	Ser	Ala	Val	Arg	Gly	Ser	Arg	Pro	Trp	Pro	Arg	Leu	Gly	Leu
1				5					10				15		

Gln	Leu	Gln	Phe	Ala	Ala	Leu	Leu	Leu	Gly	Thr	Leu	Ser	Xaa	Gln	Val
			20					25					30		

His	Thr	Leu	Arg	Pro	Glu	Asn	Leu	Leu	Leu	Val	Ser	Thr	Leu	Asp	Gly
		35					40					45			

Ser	Leu	His	Ala	Leu	Ser	Lys	Gln	Thr	Gly	Asp	Leu	Lys	Trp	Thr	Leu
	50					55					60				

Arg	Asp	Asp	Pro	Val	Ile	Glu	Gly	Pro	Met	Tyr	Val	Thr	Glu	Met	Ala
65					70					75					80

Phe	Leu	Ser	Asp	Pro	Ala	Asp	Gly	Ser	Leu	Tyr	Ile	Leu	Gly	Thr	Gln
				85					90					95	

Lys	Gln	Gln	Gly	Leu	Met	Lys	Leu	Pro	Phe	Thr	Ile	Pro	Glu	Leu	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

	100		105		110												
His	Ala	Ser	Pro	Cys	Arg	Ser	Ser	Asp	Gly	Val	Phe	Tyr	Thr	Gly	Arg		
	115						120					125					
Lys	Gln	Asp	Ala	Trp	Phe	Val	Val	Asp	Pro	Glu	Ser	Gly	Glu	Thr	Gln		
	130					135					140						
Met	Thr	Leu	Thr	Thr	Glu	Gly	Pro	Ser	Thr	Pro	Arg	Leu	Tyr	Ile	Gly		
145					150					155					160		
Arg	Thr	Gln	Tyr	Thr	Val	Thr	Met	His	Asp	Pro	Arg	Ala	Pro	Ala	Leu		
				165					170					175			
Arg	Trp	Asn	Thr	Thr	Tyr	Arg	Arg	Tyr	Ser	Thr	Pro	Pro	Met	Asp	Gly		
		180						185					190				
Ser	Thr	Gly	Lys	Tyr	Met	Ser	Gln	Leu	Gly	Val	Leu	Arg	Glu	Gly	Pro		
	195						200					205					
Ala	Ala	His	Xaa	Gly	Thr	Pro	Gly	Ser	Gly	Thr	Xaa	Leu	Leu	Asp	Thr		
	210					215					220						
Arg	Asn	Leu	Gly	Arg	Ala	Leu	Gly	Asn	Gly	Pro	Ala	Thr	Pro	Leu	Gly		
225					230					235					240		
Thr	Lys	Xaa	Arg	Ala	Trp												
				245													

<210> 1549

<211> 473

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (321)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (386)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (391)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1549

Met	Ala	Ser	Ala	Val	Arg	Gly	Ser	Arg	Pro	Trp	Pro	Arg	Leu	Gly	Leu	1	5	10	15
Gln	Leu	Gln	Phe	Ala	Ala	Leu	Leu	Leu	Gly	Thr	Leu	Ser	Pro	Gln	Val	20	25	30	
His	Thr	Leu	Arg	Pro	Glu	Asn	Leu	Leu	Leu	Val	Ser	Thr	Leu	Asp	Gly	35	40	45	
Ser	Leu	His	Ala	Leu	Ser	Lys	Gln	Thr	Gly	Asp	Leu	Lys	Trp	Thr	Leu	50	55	60	
Arg	Asp	Asp	Pro	Val	Ile	Glu	Gly	Pro	Met	Tyr	Val	Thr	Glu	Met	Ala	65	70	75	80
Phe	Leu	Ser	Asp	Pro	Ala	Asp	Gly	Ser	Leu	Tyr	Ile	Leu	Gly	Thr	Gln	85	90	95	
Lys	Gln	Gln	Gly	Leu	Met	Lys	Leu	Pro	Phe	Thr	Ile	Pro	Glu	Leu	Val	100	105	110	
His	Ala	Ser	Pro	Cys	Arg	Ser	Ser	Asp	Gly	Val	Phe	Tyr	Thr	Gly	Arg	115	120	125	
Lys	Gln	Asp	Ala	Trp	Phe	Val	Val	Asp	Pro	Glu	Ser	Gly	Glu	Thr	Gln	130	135	140	
Met	Thr	Leu	Thr	Thr	Glu	Gly	Pro	Ser	Thr	Pro	Arg	Leu	Tyr	Ile	Gly	145	150	155	160
Arg	Thr	Gln	Tyr	Thr	Val	Thr	Met	His	Asp	Pro	Arg	Ala	Pro	Ala	Leu	165	170	175	
Arg	Trp	Asn	Thr	Thr	Tyr	Arg	Arg	Tyr	Ser	Ala	Pro	Pro	Met	Asp	Gly	180	185	190	
Ser	Pro	Gly	Lys	Tyr	Met	Ser	His	Leu	Ala	Ser	Cys	Gly	Met	Gly	Leu	195	200	205	
Leu	Leu	Thr	Val	Asp	Pro	Gly	Ser	Gly	Thr	Val	Leu	Trp	Thr	Gln	Asp	210	215	220	
Leu	Gly	Val	Pro	Val	Met	Gly	Val	Tyr	Thr	Trp	His	Gln	Asp	Gly	Leu	225	230	235	240
Arg	Gln	Leu	Pro	His	Leu	Thr	Leu	Ala	Arg	Asp	Thr	Leu	His	Phe	Leu	245	250	255	
Ala	Leu	Arg	Trp	Gly	His	Ile	Arg	Leu	Pro	Ala	Ser	Gly	Pro	Arg	Asp	260	265	270	
Thr	Ala	Thr	Leu	Phe	Ser	Thr	Leu	Asp	Thr	Gln	Leu	Leu	Met	Thr	Leu				

275		280		285
Tyr Val Gly Lys Asp Glu Thr Gly Phe Tyr Val Ser Lys Ala Leu Val				
290		295		300
His Thr Gly Val Ala Leu Val Pro Arg Gly Leu Thr Leu Ala Pro Ala				
305		310		315
Xaa Gly Pro Thr Thr Asp Glu Val Thr Leu Gln Val Ser Gly Glu Arg				
		325		330
Glu Gly Ser Pro Ser Thr Ala Val Arg Tyr Pro Ser Gly Ser Val Ala				
		340		345
Leu Pro Ser Gln Trp Leu Leu Ile Gly His His Glu Leu Pro Pro Val				
		355		360
Leu His Thr Thr Met Leu Arg Val His Pro Thr Leu Gly Ser Gly Thr				
		370		375
Ala Xaa Thr Arg Pro Pro Xaa Asn Thr Gln Ala Pro Ala Phe Phe Leu				
385		390		395
Glu Leu Leu Ser Leu Ser Arg Glu Lys Leu Trp Asp Ser Glu Leu His				
		405		410
Pro Glu Glu Lys Thr Pro Asp Ser Tyr Leu Gly Leu Gly Pro Gln Asp				
		420		425
Leu Leu Ala Ala Ser Leu Thr Ala Val Leu Leu Gly Gly Trp Ile Leu				
		435		440
Phe Val Met Arg Gln Gln Gln Pro Gln Val Val Glu Lys Gln Gln Glu				
		450		455
Thr Pro Leu Ala Pro Ala Ala Trp Gly				
465		470		

<210> 1550

<211> 98

<212> PRT

<213> Homo sapiens

<400> 1550

Met Cys Met Arg Leu Cys Ala Ala Leu Leu Pro Ala Pro Cys Thr Leu				
1		5		10
Arg Ala Ser Trp Gly Val Arg Gly Ala Gln Trp Gly Phe Ser Ser Leu				
		20		25
				30

His Glu Pro Gly Asp Pro Arg Gly Gly Ser Ile Trp Asp Glu Pro Pro
 35 40 45
 Pro Pro Asn Ala Gln Ala Ser Pro Gln Asp Pro Gly Gly Gly His His
 50 55 60
 Ser Gly Lys Pro Gly Val Gly Val Gly Phe Gly Leu Ser Thr Phe Leu
 65 70 75 80
 Leu Gln Ile Pro Pro Thr His Pro Ser Pro Lys Ser Ser Pro Leu Ala
 85 90 95
 Leu Ala

<210> 1551
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 1551
 Met Cys Met Arg Leu Cys Ala Ala Leu Leu Pro Ala Pro Cys Thr Leu
 1 5 10 15
 Arg Ala Ser Trp Gly Val Arg Gly Ala Gln Trp Gly Phe Ser Ser Leu
 20 25 30
 His Glu Pro Gly Asp Pro Arg Gly Gly Ser Ile Trp Asp Glu Pro Pro
 35 40 45
 Pro Pro Asn Ala Gln Ala Ser Pro Gln Asp Pro Gly Gly Gly His His
 50 55 60
 Ser Gly Lys Pro Gly Val Gly Val Gly Phe Gly Leu Ser Thr Phe Leu
 65 70 75 80
 Leu Gln Ile Pro Pro Thr His Pro Ser Pro Lys Ser Ser Pro Leu Ala
 85 90 95
 Leu Ala

<210> 1552
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 1552

Met	Gly	Val	Leu	Trp	Tyr	Thr	Phe	Trp	Tyr	Thr	Phe	Thr	Leu	Leu	Glu
1				5					10					15	
Cys	Ser	Arg	Ser	Ser	Asn	Asp	Ser	Arg	Thr	Leu	Val	Leu	Ile	Cys	Leu
			20					25					30		
Ser	Leu	Leu	Gly	Phe	Asp	Phe	Val	Arg	Val	Leu	Asn	Ile	Lys	Leu	Ala
		35					40					45			
Val	Gly	Glu	Ser	Thr	Leu	His	Met	Leu	Ser	Leu	Pro	Phe	Ser	Leu	Arg
	50					55					60				
Leu	Ser	Pro	Ala	Leu	Pro	Phe	Ser	Pro	Phe	Leu	Leu	Leu	Met	Asn	Lys
65					70					75					80
Pro	Leu	Ser	Asp	Val	Gln	Tyr	Phe	Asn	Leu	His	Phe	Ala	Gly		
				85					90						

<210> 1553

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1553

Xaa	Xaa	Tyr	Asp	Glu	Lys	Leu	Ile	Phe	Ile	Gln	Ile	Leu	Gln	Thr	Lys
1					5				10					15	

Ala	Thr	Asp	Lys	Tyr	Ser	Glu	Gln	Val	Ser	Gln	Val	Gly	Pro	Gly	Ala
			20					25					30		

Val	Leu	Thr	Pro	Val	Ile	Pro	Ala	Leu	Trp	Glu	Ala	Glu	Ala	Gly	Gly
		35					40					45			

Ser

<210> 1554

<211> 141

<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1554

Met	Gly	Pro	Arg	Gly	Cys	Ala	Leu	Ala	His	Ser	Leu	Leu	Pro	Leu	Leu
1				5					10					15	

Cys	Gln	His	Val	Trp	Thr	Ser	Pro	Arg	Tyr	Cys	Arg	Gln	Cys	Thr	Arg
			20					25					30		

Glu	Pro	Arg	His	Cys	Cys	Pro	Ala	Pro	Ala	Ser	Ala	Gly	Val	Gln	Tyr
			35				40					45			

Met	Cys	Ala	Tyr	Gly	Cys	His	His	Pro	Thr	Phe	Ala	Gly	Val	Tyr	Thr
	50					55					60				

Pro	Ser	His	Thr	Thr	Val	Ala	Thr	Ser	Ile	Cys	Thr	Gln	Thr	Pro	Pro
65					70					75					80

His	Gln	Cys	Cys	Trp	Ser	Glu	His	Thr	His	Val	Val	Ser	Thr	Thr	Pro
				85					90						95

Leu	Leu	Pro	Ala	Tyr	Met	His	Met	Ser	Met	Asp	Pro	Ala	Ala	Thr	Thr
			100					105					110		

Gln	Met	Lys	Cys	Phe	Cys	Arg	His	Pro	Ile	Arg	Ala	Phe	Leu	Pro	Val
	115						120					125			

Glu	Trp	Glu	His	Leu	Ser	Pro	Phe	Asn	Thr	Ala	Xaa	Ala
130						135					140	

<210> 1555

<211> 141

<212> PRT

<213> Homo sapiens

<400> 1555

Met	Gly	Pro	Arg	Gly	Cys	Ala	Leu	Ala	His	Ser	Leu	Leu	Pro	Leu	Leu
1				5					10					15	

Cys	Gln	His	Val	Trp	Thr	Ser	Pro	Arg	Tyr	Cys	Arg	Gln	Cys	Thr	Arg
			20					25					30		

Glu	Pro	Arg	His	Cys	Cys	Pro	Ala	Pro	Ala	Ser	Ala	Gly	Val	Gln	Tyr
			35				40					45			

Met Cys Ala Tyr Gly Cys His His Pro Thr Phe Ala Gly Val Tyr Thr
50 55 60

Pro Ser His Thr Thr Val Ala Thr Ser Ile Cys Thr Gln Thr Pro Pro
65 70 75 80

His Gln Cys Cys Trp Ser Glu His Thr His Val Val Ser Thr Thr Pro
85 90 95

Leu Leu Pro Ala Tyr Met His Met Ser Met Asp Pro Ala Ala Thr Thr
100 105 110

Gln Met Lys Cys Phe Cys Arg His Pro Ile Arg Ala Phe Leu Pro Val
115 120 125

Glu Trp Glu His Leu Ser Pro Ser Asn Thr Ala Gly Ala
130 135 140

<210> 1556
<211> 93
<212> PRT
<213> Homo sapiens

<400> 1556
Met Ile Val Asn Ile Ser His Glu Ile Trp Trp Phe Tyr Lys Gly Lys
1 5 10 15

Val Pro Leu His Met Leu Thr Cys Leu Leu Pro Cys Lys Thr Cys Leu
20 25 30

Ala Pro Pro Ser Pro Ser Ser Val Thr Val Arg Pro Pro Gln Pro Cys
35 40 45

Glu Thr Val Ser Pro Leu Lys Leu Phe Phe Phe Ile Asn Tyr Pro Val
50 55 60

Leu His Met Ser Leu Leu Thr Val Arg Lys Trp Thr Asn Thr Leu Gly
65 70 75 80

His Glu Gly Gly Ala Leu Ile Asn Gly Ile Ser Ala Leu
85 90

<210> 1557
<211> 59
<212> PRT
<213> Homo sapiens

<400> 1557

Glu Glu His Gly Ile Thr Ser Val Ile Phe Leu Pro Gln Val His Asn
1 5 10 15

Leu Asn Leu Ile Ile Arg Lys His Gln Thr Asn Pro Asn Gln Glu Thr
20 25 30

Leu Tyr Lys Ile Met Thr Cys Asp Pro Gln Asn Leu Gln Gly His Glu
35 40 45

Gln Gln Gly Lys Thr Glu Asp Lys Cys Thr Val
50 55

<210> 1558

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1558

Met Ile Val Asn Ile Ser His Glu Ile Trp Trp Phe Tyr Lys Gly Lys
1 5 10 15

Val Pro Leu His Met Leu Thr Cys Leu Leu Pro Cys Lys Thr Cys Leu
20 25 30

Ala Pro Pro Ser Pro Ser Ser Val Thr Val Arg Pro Pro Gln Pro Cys
35 40 45

Glu Thr Val Ser Pro Leu Lys Leu Phe Phe Phe Ile Asn Tyr Pro Val
50 55 60

Leu His Met Ser Leu Leu Thr Val Arg Lys Trp Thr Asn Thr Leu Gly
65 70 75 80

His Glu Gly Gly Ala Leu Ile Asn Gly Ile Ser Ala Leu
85 90

<210> 1559

<211> 100

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (85)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (88)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1559
 Met Leu Leu Gln Arg Thr Arg Phe Leu Leu Leu Phe Phe Ser Phe Val
 1 5 10 15
 Ser Ser Phe Phe Leu Ser Leu Pro Ser Phe Ser Leu Phe Phe Leu Phe
 20 25 30
 Leu Ser Leu Ser Leu Phe Cys Ile His Val Ala Ala Lys Asp Met Ile
 35 40 45
 Ser Ser Phe Phe Ser Leu Pro Phe Ser Phe Leu Ser Phe Xaa Leu Ser
 50 55 60
 Phe Leu Leu Pro Ser Phe Ser Phe Phe Tyr Phe Phe Phe Phe Trp Leu
 65 70 75 80
 Ser Phe Phe Phe Xaa Ser Lys Xaa Leu Ala Leu Val Pro Lys Xaa Gly
 85 90 95
 Met Gln Xaa Val
 100

<210> 1560
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1560

Met Val Val Met Ala Ser Leu Gln Val Glu Pro Ala Val Gly Lys Glu
1 5 10 15

Gln Leu Arg Glu Arg Gln Gly Pro Glu Leu Leu Gly Trp Val Ala Gly
20 25 30

Leu Ala Phe Val Cys Leu Phe Ala Cys Val Gly Val Gly Val Ala Pro
35 40 45

Cys His Ser Phe Asp Ser Glu Ala Ala Ser Phe Leu Leu Leu Tyr Ser
50 55 60

Trp Cys Thr Pro Arg Leu Xaa Ser Trp Leu Arg Asp Thr Pro Ser Pro
65 70 75 80

Leu Ala Ser Gly Thr Xaa Pro
85

<210> 1561

<211> 49

<212> PRT

<213> Homo sapiens

<400> 1561

Val Arg Ala Met Phe Gly Phe Leu Ala Cys Val Ser Ser Leu Arg Val
1 5 10 15

Met Ala Ser Ser Ser Ser His Val Thr Ser Glu Asp Met Ile Leu Phe
20 25 30

Leu Ile Ser Cys Gly Ile Tyr Val Pro His Phe Leu Tyr Pro Val Asp
35 40 45

Arg

<210> 1562

<211> 168

<212> PRT

<213> Homo sapiens

<400> 1562

Met Val Val Met Ala Ser Leu Gln Val Glu Pro Ala Val Gly Lys Glu
1 5 10 15

Gln Leu Arg Glu Arg Gln Gly Pro Glu Leu Leu Gly Trp Val Ala Gly
20 25 30

Leu Ala Phe Val Cys Leu Phe Ala Cys Val Gly Val Gly Val Ala Pro
35 40 45

Cys His Ser Phe Asp Ser Glu Ala Ala Ser Phe Leu Leu Leu Tyr Ser
50 55 60

Trp Cys Thr Pro Arg Leu Leu Ser Trp Leu Arg Asp Thr Pro Ser Pro
65 70 75 80

Leu Ala Ser Gly Thr Phe Pro Pro His Ser Pro Leu Gly Glu Arg Pro
85 90 95

Leu Leu Ser Gly Pro Pro Ser Ser Ser Gln Gln Leu Leu Val Val Gly
100 105 110

Pro Cys Ala Leu Arg Phe Val Gly Ala Arg His Val Lys Thr Ala Gly
115 120 125

Phe Arg Asp Gly Phe Ser Leu Pro Ser Ser Ser Val Phe Ser Glu Phe
130 135 140

Trp Lys Met Thr Leu Leu Glu Ala Pro Leu Leu Cys His Leu Ser Ser
145 150 155 160

Lys Ser Gly Ala Ser Ala Cys Trp
165

<210> 1563

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (155)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (165)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (194)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (196)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1563
 Met Ala Val Tyr Val Gly Met Leu Arg Leu Gly Arg Leu Cys Ala Gly
 1 5 10 15
 Ser Ser Gly Val Leu Gly Ala Arg Ala Ala Leu Ser Arg Ser Trp Gln
 20 25 30
 Glu Ala Arg Leu Gln Gly Val Arg Phe Leu Ser Ser Arg Glu Val Asp
 35 40 45
 Arg Met Val Ser Thr Pro Ile Gly Gly Leu Ser Tyr Val Gln Gly Cys
 50 55 60
 Thr Lys Lys His Leu Asn Ser Lys Thr Val Gly Gln Cys Leu Glu Thr
 65 70 75 80
 Thr Ala Gln Arg Val Pro Glu Arg Glu Ala Leu Val Val Leu His Glu
 85 90 95
 Asp Val Arg Leu Thr Phe Ala Gln Leu Lys Glu Glu Val Asp Lys Ala
 100 105 110
 Ala Ser Gly Leu Leu Ser Ile Gly Leu Cys Lys Gly Asp Arg Leu Gly
 115 120 125
 Met Trp Gly Pro Asn Ser Tyr Ala Trp Val Leu Xaa Gln Leu Ala Thr
 130 135 140
 Gly Gln Ala Gly Ile Ile Leu Val Ser Val Xaa Pro Ala Tyr Gln Ala
 145 150 155 160
 Met Glu Trp Ser Xaa Ser Ser Lys Lys Trp Ala Ser Xaa Ala Leu Val
 165 170 175

Val	Pro	Lys	Gln	Phe	Lys	Thr	Lys	His	Asn	Thr	Thr	Phe	Leu	Lys	Gln
			180					185					190		

Ile	Xaa	Pro	Xaa	Trp	Arg	Met	Pro
		195					200

<210> 1564
 <211> 100
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (80)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1564															
Met	Ala	Xaa	Tyr	Val	Gly	Met	Leu	Arg	Leu	Gly	Xaa	Leu	Cys	Ala	Gly
1				5					10					15	

Ser	Ser	Gly	Val	Leu	Gly	Ala	Arg	Ala	Ala	Leu	Ser	Arg	Ser	Trp	Gln
			20					25					30		

Glu	Ala	Arg	Leu	Gln	Gly	Val	Arg	Phe	Leu	Ser	Ser	Arg	Glu	Val	Gly
		35					40					45			

Ser	His	Gly	Leu	His	Ala	His	Arg	Xaa	Ala	Ser	Ala	Thr	Xaa	Arg	Gly
	50					55					60				

Ala Pro Lys Ser Ile Leu Thr Ala Arg Leu Trp Ala Ser Ala Trp Xaa
 65 70 75 80

Pro Gln His Arg Gly Ser Gln Asn Glu Arg Pro Trp Ser Ser Ser Met
 85 90 95

Lys Thr Ser Gly
 100

<210> 1565

<211> 461

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (424)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (459)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1565

Met Ala Val Tyr Val Gly Met Leu Arg Leu Gly Arg Leu Cys Ala Gly
 1 5 10 15

Ser Ser Gly Val Leu Gly Ala Arg Ala Ala Leu Ser Arg Ser Trp Gln
 20 25 30

Glu Ala Arg Leu Gln Gly Val Arg Phe Leu Ser Ser Arg Glu Val Asp
 35 40 45

Arg Met Val Ser Thr Pro Ile Gly Gly Leu Ser Tyr Val Gln Gly Cys
 50 55 60

Thr Lys Lys His Leu Asn Ser Lys Thr Val Gly Gln Cys Leu Glu Thr
 65 70 75 80

Thr Ala Gln Arg Val Pro Glu Arg Glu Ala Leu Val Val Leu His Glu
 85 90 95

Asp Val Arg Leu Thr Phe Ala Gln Leu Lys Glu Glu Val Asp Lys Ala
 100 105 110

Ala Ser Gly Leu Leu Ser Ile Gly Leu Cys Lys Gly Asp Arg Leu Gly
 115 120 125

Met Trp Gly Pro Asn Ser Tyr Ala Trp Val Leu Met Gln Leu Ala Thr

130						135						140				
Ala	Gln	Ala	Gly	Ile	Ile	Leu	Val	Ser	Val	Asn	Pro	Ala	Tyr	Gln	Ala	
145					150					155					160	
Met	Glu	Leu	Glu	Tyr	Val	Leu	Lys	Lys	Val	Gly	Cys	Lys	Ala	Leu	Val	
				165					170					175		
Phe	Pro	Lys	Gln	Phe	Lys	Thr	Gln	Gln	Tyr	Tyr	Asn	Val	Leu	Lys	Gln	
			180					185					190			
Ile	Cys	Pro	Glu	Val	Glu	Asn	Ala	Gln	Pro	Gly	Ala	Leu	Lys	Ser	Gln	
		195					200					205				
Arg	Leu	Pro	Asp	Leu	Thr	Thr	Val	Ile	Ser	Val	Asp	Ala	Pro	Leu	Pro	
	210					215					220					
Gly	Thr	Leu	Leu	Leu	Asp	Glu	Val	Val	Ala	Ala	Gly	Ser	Thr	Arg	Gln	
225					230					235					240	
His	Leu	Asp	Gln	Leu	Gln	Tyr	Asn	Gln	Gln	Phe	Leu	Ser	Cys	His	Asp	
			245					250						255		
Pro	Ile	Asn	Ile	Gln	Phe	Thr	Ser	Gly	Thr	Thr	Gly	Ser	Pro	Lys	Gly	
			260					265					270			
Ala	Thr	Leu	Ser	His	Tyr	Asn	Ile	Val	Asn	Asn	Ser	Asn	Ile	Leu	Gly	
		275					280					285				
Glu	Arg	Leu	Lys	Leu	His	Glu	Lys	Thr	Pro	Glu	Gln	Leu	Arg	Met	Ile	
	290					295					300					
Leu	Pro	Asn	Pro	Leu	Tyr	His	Cys	Leu	Gly	Ser	Val	Ala	Gly	Thr	Met	
305					310					315					320	
Met	Cys	Leu	Met	Tyr	Gly	Ala	Thr	Leu	Ile	Leu	Ala	Ser	Pro	Ile	Phe	
				325					330					335		
Asn	Gly	Lys	Lys	Ala	Leu	Glu	Ala	Ile	Ser	Arg	Glu	Arg	Gly	Thr	Phe	
			340					345					350			
Leu	Tyr	Gly	Thr	Pro	Thr	Met	Phe	Val	Asp	Ile	Leu	Asn	Gln	Pro	Asp	
		355					360					365				
Phe	Ser	Ser	Tyr	Asp	Ile	Ser	Thr	Met	Cys	Gly	Gly	Val	Ile	Ala	Gly	
	370					375					380					
Ser	Pro	Ala	Pro	Pro	Glu	Leu	Ile	Arg	Ala	Ile	Ile	Asn	Lys	Ile	Asn	
385					390					395					400	
Met	Lys	Asp	Leu	Val	Val	Ala	Tyr	Gly	Thr	Thr	Glu	Asn	Ser	Pro	Val	
				405					410					415		

Thr Phe Ala His Phe Pro Glu Xaa Thr Pro Lys Pro Leu Asp Lys Glu
420 425 430

Lys Arg Ala Glu Tyr Ala Ser His Gly Gly Glu Pro Leu Thr Lys Thr
435 440 445

Ser Lys Ser His Leu Pro Ser Pro Ser Trp Xaa Gly Ser
450 455 460

<210> 1566

<211> 177

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1566

Met Lys Val Leu Ala Thr Ser Phe Val Leu Gly Ser Leu Gly Leu Ala
1 5 10 15

Phe Tyr Leu Pro Leu Val Val Thr Thr Pro Lys Thr Leu Ala Ile Pro
20 25 30

Glu Lys Leu Gln Glu Ala Val Gly Lys Val Ile Ile Asn Ala Thr Thr
35 40 45

Cys Thr Val Thr Cys Gly Leu Gly Tyr Lys Glu Glu Thr Val Cys Glu
50 55 60

Val Gly Pro Asp Gly Val Arg Arg Lys Cys Gln Thr Arg Arg Leu Glu
65 70 75 80

Cys Leu Thr Asn Trp Ile Cys Gly Met Leu His Phe Thr Ile Leu Ile
85 90 95

Gly Lys Glu Phe Glu Leu Ser Cys Leu Ser Ser Asp Ile Leu Glu Phe
100 105 110

Gly Gln Glu Ala Phe Arg Phe Thr Xaa Xaa Leu Ala Arg Gly Val Ile
115 120 125

Ser Thr Asp Asp Glu Val Phe Lys Pro Phe Gln Ala Asn Ser His Phe
 130 135 140

Val Lys Phe Lys Tyr Ala Gln Glu Tyr Asp Ser Gly Thr Tyr Arg Cys
 145 150 155 160

Asp Val Gln Leu Val Lys Asn Leu Arg Leu Val Lys Ser Ser Ile Leu
 165 170 175

Gly

<210> 1567

<211> 255

<212> PRT

<213> Homo sapiens

<400> 1567

Met Lys Val Leu Ala Thr Ser Phe Val Leu Gly Ser Leu Gly Leu Ala
 1 5 10 15

Phe Tyr Leu Pro Leu Val Val Thr Thr Pro Lys Thr Leu Ala Ile Pro
 20 25 30

Glu Lys Leu Gln Glu Ala Val Gly Lys Val Ile Ile Asn Ala Thr Thr
 35 40 45

Cys Thr Val Thr Cys Gly Leu Gly Tyr Lys Glu Glu Thr Val Cys Glu
 50 55 60

Val Gly Pro Asp Gly Val Arg Arg Lys Cys Gln Thr Gln Arg Leu Glu
 65 70 75 80

Cys Leu Thr Asn Trp Ile Cys Gly Met Leu His Phe Thr Ile Leu Ile
 85 90 95

Gly Lys Glu Phe Glu Leu Ser Cys Leu Ser Ser Asp Ile Leu Glu Phe
 100 105 110

Gly Gln Glu Ala Phe Arg Phe Thr Trp Arg Leu Ala Arg Gly Val Ile
 115 120 125

Ser Thr Asp Asp Glu Val Phe Lys Pro Phe Gln Ala Asn Ser His Phe
 130 135 140

Val Lys Phe Lys Tyr Ala Gln Glu Tyr Asp Ser Gly Thr Tyr Arg Cys
 145 150 155 160

Asp Val Gln Leu Val Lys Asn Leu Arg Leu Val Lys Arg Leu Tyr Phe
 165 170 175

Gly	Leu	Arg	Val	Leu	Pro	Pro	Asn	Leu	Val	Asn	Leu	Asn	Phe	His	Gln
			180					185					190		
Ser	Leu	Thr	Glu	Asp	Gln	Lys	Leu	Ile	Asp	Glu	Gly	Leu	Glu	Val	Asn
		195					200					205			
Leu	Asp	Ser	Tyr	Ser	Lys	Pro	His	His	Pro	Lys	Trp	Lys	Lys	Lys	Val
	210					215					220				
Ala	Ser	Ala	Leu	Gly	Ile	Gly	Ile	Ala	Ile	Gly	Val	Val	Gly	Gly	Val
225					230					235					240
Leu	Val	Arg	Ile	Val	Leu	Cys	Ala	Leu	Arg	Gly	Gly	Leu	Gln	Gln	
				245					250					255	

<210> 1568
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 1568

Met	Lys	Val	Leu	Ala	Thr	Ser	Phe	Val	Leu	Gly	Ser	Leu	Gly	Leu	Ala
1				5					10					15	
Phe	Tyr	Leu	Pro	Leu	Val	Val	Thr	Thr	Pro	Lys	Thr	Leu	Ala	Ile	Pro
			20					25					30		
Glu	Lys	Leu	Gln	Glu	Ala	Val	Gly	Lys	Val	Ile	Ile	Asn	Ala	Thr	Thr
		35					40					45			
Cys	Thr	Val	Thr	Cys	Gly	Leu	Gly	Tyr	Lys	Glu	Glu	Thr	Val	Cys	Glu
	50					55					60				
Val	Gly	Pro	Asp	Gly	Val	Arg	Arg	Lys	Cys	Gln	Thr	Arg	Arg	Leu	Glu
65					70					75					80
Cys	Leu	Thr	Asn	Trp	Ile	Cys	Gly	Met	Leu	His	Phe	Thr	Ile	Leu	Ile
				85					90					95	
Gly	Lys	Glu	Phe	Glu	Leu	Ser	Cys	Leu	Ser	Ser	Asp	Ile	Leu	Glu	Phe
			100					105					110		
Gly	Gln	Glu	Ala	Phe	Arg	Phe	Thr	Trp	Arg	Leu	Ala	Arg	Gly	Val	Ile
		115					120					125			
Ser	Thr	Asp	Asp	Glu	Val	Phe	Lys	Pro	Phe	Gln	Ala	Asn	Ser	His	Phe
	130						135				140				
Val	Lys	Phe	Lys	Tyr	Ala	Gln	Glu	Tyr	Asp	Ser	Gly	Thr	Tyr	Arg	Cys

145		150		155		160
Asp Val Gln Leu Val Lys Asn Leu Arg Leu Val Lys Arg Leu Tyr Phe						
	165			170		175
Gly Leu Arg Val Leu Pro Pro Asn Leu Val Asn Leu Asn Phe His Gln						
	180		185			190
Ser Leu Thr Glu Asp Gln Lys Leu Ile Asp Glu Gly Leu Glu Val Asn						
	195		200			205
Leu Asp Ser Tyr Ser Lys Pro His His Pro Lys Trp Lys Lys Lys Val						
	210		215			220
Ala Ser Ala Leu Gly Ile Gly Ile Ala Ile Gly Val Val Gly Gly Val						
	225		230		235	240
Leu Val Arg Ile Val Leu Cys Ala Leu Arg Gly Gly Leu Gln Gln						
	245		250			255

<210> 1569

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1569

Met Val Pro Ile Phe Leu Leu Lys Cys Leu Leu Leu His Val Pro Leu
1 5 10 15

Cys Met Ser Ser Asn Leu Ser Phe His Ser Ser His His Leu His Ile
20 25 30

Phe Leu Pro Ser Phe Ser Ser His Leu Pro Arg Pro Leu Xaa Ile Pro
35 40 45

Pro Leu Ser Pro
50

<210> 1570

<211> 1134

<212> PRT

<213> Homo sapiens

<400> 1570

Val	Leu	Phe	Arg	Pro	Gln	Ala	Gln	Arg	Pro	Pro	Ser	Cys	Val	Gly	Gly
1				5					10					15	
Ser	Ala	Val	Arg	Arg	Trp	Gln	Gly	Gln	Pro	Gln	Pro	Gln	Arg	Pro	Gly
			20					25					30		
Glu	Glu	Lys	Ala	Ala	Ala	Ala	Ile	Leu	Gly	Gly	Pro	Gly	Gly	Gly	Glu
		35					40					45			
Glu	Glu	Lys	Glu	Glu	Gly	Gly	Gly	Arg	Ala	Trp	Leu	Arg	Leu	Leu	Glu
		50				55					60				
Glu	Leu	Ala	Ala	Ala	Arg	Pro	Gly	Glu	Pro	Ala	Leu	Met	Ser	Ser	Ser
65					70					75					80
Pro	Leu	Ser	Lys	Lys	Arg	Arg	Val	Ser	Gly	Pro	Asp	Pro	Lys	Pro	Gly
				85					90					95	
Ser	Asn	Cys	Ser	Pro	Ala	Gln	Ser	Val	Leu	Ser	Glu	Val	Pro	Ser	Val
			100					105					110		
Pro	Thr	Asn	Gly	Met	Ala	Lys	Asn	Gly	Ser	Glu	Ala	Asp	Ile	Asp	Glu
		115					120					125			
Gly	Leu	Tyr	Ser	Arg	Gln	Leu	Tyr	Val	Leu	Gly	His	Glu	Ala	Met	Lys
	130					135					140				
Arg	Leu	Gln	Thr	Ser	Ser	Val	Leu	Val	Ser	Gly	Leu	Arg	Gly	Leu	Gly
145					150					155					160
Val	Glu	Ile	Ala	Lys	Asn	Ile	Ile	Leu	Gly	Gly	Val	Lys	Ala	Val	Thr
				165					170					175	
Leu	His	Asp	Gln	Gly	Thr	Ala	Gln	Trp	Ala	Asp	Leu	Ser	Ser	Gln	Phe
			180					185					190		
Tyr	Leu	Arg	Glu	Glu	Asp	Ile	Gly	Lys	Asn	Arg	Ala	Glu	Val	Ser	Gln
		195					200					205			
Pro	Arg	Leu	Ala	Glu	Leu	Asn	Ser	Tyr	Val	Pro	Val	Thr	Ala	Tyr	Thr
	210					215					220				
Gly	Pro	Leu	Val	Glu	Asp	Phe	Leu	Ser	Gly	Phe	Gln	Val	Val	Val	Leu
225					230					235					240
Thr	Asn	Thr	Pro	Leu	Glu	Asp	Gln	Leu	Arg	Val	Gly	Glu	Phe	Cys	His
				245					250					255	
Asn	Arg	Gly	Ile	Lys	Leu	Val	Val	Ala	Asp	Thr	Arg	Gly	Leu	Phe	Gly
			260					265					270		

Gln	Leu	Phe	Cys	Asp	Phe	Gly	Glu	Glu	Met	Ile	Leu	Thr	Asp	Ser	Asn	275	280	285
Gly	Glu	Gln	Pro	Leu	Ser	Ala	Met	Val	Ser	Met	Val	Thr	Lys	Asp	Asn	290	295	300
Pro	Gly	Val	Val	Thr	Cys	Leu	Asp	Glu	Ala	Arg	His	Gly	Phe	Glu	Ser	305	310	315
Gly	Asp	Phe	Val	Ser	Phe	Ser	Glu	Val	Gln	Gly	Met	Val	Glu	Leu	Asn	325	330	335
Gly	Asn	Gln	Pro	Met	Glu	Ile	Lys	Val	Leu	Gly	Pro	Tyr	Thr	Phe	Ser	340	345	350
Ile	Cys	Asp	Thr	Ser	Asn	Phe	Ser	Asp	Tyr	Ile	Arg	Gly	Gly	Ile	Val	355	360	365
Ser	Gln	Val	Lys	Val	Pro	Lys	Lys	Ile	Ser	Phe	Lys	Ser	Leu	Val	Ala	370	375	380
Ser	Leu	Ala	Glu	Pro	Asp	Phe	Val	Val	Thr	Asp	Phe	Ala	Lys	Phe	Ser	385	390	395
Arg	Pro	Ala	Gln	Leu	His	Ile	Gly	Phe	Gln	Ala	Leu	His	Gln	Phe	Cys	405	410	415
Ala	Gln	His	Gly	Arg	Pro	Pro	Arg	Pro	Arg	Asn	Glu	Glu	Asp	Ala	Ala	420	425	430
Glu	Leu	Val	Ala	Leu	Ala	Gln	Ala	Val	Asn	Ala	Arg	Ala	Leu	Pro	Ala	435	440	445
Val	Gln	Gln	Asn	Asn	Leu	Asp	Glu	Asp	Leu	Ile	Arg	Lys	Leu	Ala	Tyr	450	455	460
Val	Ala	Ala	Gly	Asp	Leu	Ala	Pro	Ile	Asn	Ala	Phe	Ile	Gly	Gly	Leu	465	470	475
Ala	Ala	Gln	Glu	Val	Met	Lys	Ala	Cys	Ser	Gly	Lys	Phe	Met	Pro	Ile	485	490	495
Met	Gln	Trp	Leu	Tyr	Phe	Asp	Ala	Leu	Glu	Cys	Leu	Pro	Glu	Asp	Lys	500	505	510
Glu	Val	Leu	Thr	Glu	Asp	Lys	Cys	Leu	Gln	Arg	Gln	Asn	Arg	Tyr	Asp	515	520	525
Gly	Gln	Val	Ala	Val	Phe	Gly	Ser	Asp	Leu	Gln	Glu	Lys	Leu	Gly	Lys	530	535	540
Gln	Lys	Tyr	Phe	Leu	Val	Gly	Ala	Gly	Ala	Ile	Gly	Cys	Glu	Leu	Leu			

545					550						555				560
Lys	Asn	Phe	Ala	Met	Ile	Gly	Leu	Gly	Cys	Gly	Glu	Gly	Gly	Glu	Ile
				565					570					575	
Ile	Val	Thr	Asp	Met	Asp	Thr	Ile	Glu	Lys	Ser	Asn	Leu	Asn	Arg	Gln
			580					585					590		
Phe	Leu	Phe	Arg	Pro	Trp	Asp	Val	Thr	Lys	Leu	Lys	Ser	Asp	Thr	Ala
		595					600					605			
Ala	Ala	Ala	Val	Arg	Gln	Met	Asn	Pro	His	Ile	Arg	Val	Thr	Ser	His
	610					615					620				
Gln	Asn	Arg	Val	Gly	Pro	Asp	Thr	Glu	Arg	Ile	Tyr	Asp	Asp	Asp	Phe
625					630					635					640
Phe	Gln	Asn	Leu	Asp	Gly	Val	Ala	Asn	Ala	Leu	Asp	Asn	Val	Asp	Ala
				645					650					655	
Arg	Met	Tyr	Met	Asp	Arg	Arg	Cys	Val	Tyr	Tyr	Arg	Lys	Pro	Leu	Leu
			660					665					670		
Glu	Ser	Gly	Thr	Leu	Gly	Thr	Lys	Gly	Asn	Val	Gln	Val	Val	Ile	Pro
		675					680					685			
Phe	Leu	Thr	Glu	Ser	Tyr	Ser	Ser	Ser	Gln	Asp	Pro	Pro	Glu	Lys	Ser
	690					695					700				
Ile	Pro	Ile	Cys	Thr	Leu	Lys	Asn	Phe	Pro	Asn	Ala	Ile	Glu	His	Thr
705					710					715					720
Leu	Gln	Trp	Ala	Arg	Asp	Glu	Phe	Glu	Gly	Leu	Phe	Lys	Gln	Pro	Ala
				725					730					735	
Glu	Asn	Val	Asn	Gln	Tyr	Leu	Thr	Asp	Pro	Lys	Phe	Val	Glu	Arg	Thr
			740					745					750		
Leu	Arg	Leu	Ala	Gly	Thr	Gln	Pro	Leu	Glu	Val	Leu	Glu	Ala	Val	Gln
		755					760					765			
Arg	Ser	Leu	Val	Leu	Gln	Arg	Pro	Gln	Thr	Trp	Ala	Asp	Cys	Val	Thr
	770					775					780				
Trp	Ala	Cys	His	His	Trp	His	Thr	Gln	Tyr	Ser	Asn	Asn	Ile	Arg	Gln
785					790					795					800
Leu	Leu	His	Asn	Phe	Pro	Pro	Asp	Gln	Leu	Thr	Ser	Ser	Gly	Ala	Pro
			805						810					815	
Phe	Trp	Ser	Gly	Pro	Lys	Arg	Cys	Pro	His	Pro	Leu	Thr	Phe	Asp	Val
			820					825					830		

Asn Asn Pro Leu His Leu Asp Tyr Val Met Ala Ala Ala Asn Leu Phe
 835 840 845
 Ala Gln Thr Tyr Gly Leu Thr Gly Ser Gln Asp Arg Ala Ala Val Ala
 850 855 860
 Thr Phe Leu Gln Ser Val Gln Val Pro Glu Phe Thr Pro Lys Ser Gly
 865 870 875 880
 Val Lys Ile His Val Ser Asp Gln Glu Leu Gln Ser Ala Asn Ala Ser
 885 890 895
 Val Asp Asp Ser Arg Leu Glu Glu Leu Lys Ala Thr Leu Pro Ser Pro
 900 905 910
 Asp Lys Leu Pro Gly Phe Lys Met Tyr Pro Ile Asp Phe Glu Lys Asp
 915 920 925
 Asp Asp Ser Asn Phe His Met Asp Phe Ile Val Ala Ala Ser Asn Leu
 930 935 940
 Arg Ala Glu Asn Tyr Asp Ile Pro Ser Ala Asp Arg His Lys Ser Lys
 945 950 955 960
 Leu Ile Ala Gly Lys Ile Ile Pro Ala Ile Ala Thr Thr Thr Ala Ala
 965 970 975
 Val Val Gly Leu Val Cys Leu Glu Leu Tyr Lys Val Val Gln Gly His
 980 985 990
 Arg Gln Leu Asp Ser Tyr Lys Asn Gly Phe Leu Asn Leu Ala Leu Pro
 995 1000 1005
 Phe Phe Gly Phe Ser Glu Pro Leu Ala Ala Pro Arg His Gln Tyr Tyr
 1010 1015 1020
 Asn Gln Glu Trp Thr Leu Trp Asp Arg Phe Glu Val Gln Gly Leu Gln
 1025 1030 1035 1040
 Pro Asn Gly Glu Glu Met Thr Leu Lys Gln Phe Leu Asp Tyr Phe Lys
 1045 1050 1055
 Thr Glu His Lys Leu Glu Ile Thr Met Leu Ser Gln Gly Val Ser Met
 1060 1065 1070
 Leu Tyr Ser Phe Phe Met Pro Ala Ala Lys Leu Lys Glu Arg Leu Asp
 1075 1080 1085
 Gln Pro Met Thr Glu Ile Val Ser Arg Val Ser Lys Arg Lys Leu Gly
 1090 1095 1100

Arg His Val Arg Ala Leu Val Leu Glu Leu Cys Cys Asn Asp Glu Ser
 1105 1110 1115 1120

Gly Glu Asp Val Glu Val Pro Tyr Val Arg Tyr Thr Ile Arg
 1125 1130

<210> 1571
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 1571
 Met Val Pro Ile Phe Leu Leu Lys Cys Leu Leu Leu His Val Pro Leu
 1 5 10 15
 Cys Met Ser Ser Asn Leu Ser Phe His Ser Ser His His Leu His Ile
 20 25 30
 Phe Leu Pro Ser Phe Ser Ser His Leu Pro Arg Pro Leu Tyr Ile Pro
 35 40 45
 Pro Leu Ser Pro Phe Tyr Ile Phe Ser Ile Ser Pro His Ile Phe Pro
 50 55 60
 Leu Cys Pro His Leu Cys Ile Pro Pro Asn Phe Pro Ser Ile Tyr Leu
 65 70 75 80
 Phe Tyr Ser Pro Phe Pro Pro Cys Ile Leu Cys Val Pro Pro Ile Leu
 85 90 95
 Leu Tyr Ile Ile Leu Pro Lys Ile Phe Thr Ser Pro Ile Leu Ile Ser
 100 105 110
 Pro Ser Pro Leu Ser Pro Asn Ile Phe Ile Ser Val Pro
 115 120 125

<210> 1572
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 1572
 Met Val Pro Ile Phe Leu Leu Lys Cys Leu Leu Leu His Val Pro Leu
 1 5 10 15
 Cys Met Ser Ser Asn Leu Ser Phe His Ser Ser His His Leu His Ile
 20 25 30

Phe Leu Pro Ser Phe Ser Ser His Leu Pro Arg Pro Leu Tyr Ile Pro
 35 40 45
 Pro Leu Ser Pro Phe Tyr Ile Phe Ser Ile Ser Pro His Ile Phe Pro
 50 55 60
 Leu Cys Pro His Leu Cys Ile Pro Pro Asn Phe Pro Ser Ile Tyr Leu
 65 70 75 80
 Phe Tyr Ser Pro Phe Pro Pro Cys Ile Leu Cys Val Pro Pro Ile Leu
 85 90 95
 Leu Tyr Ile Ile Leu Pro Lys Ile Phe Thr Ser Pro Ile Leu Ile Ser
 100 105 110
 Pro Ser Pro Leu Ser Pro Asn Ile Phe Ile Ser Val Pro
 115 120 125

<210> 1573
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1573
 Met Val Val Ala Val Leu Leu Gly Phe Val Ala Met Val Leu Ser Val
 1 5 10 15
 Val Gly Met Lys Cys Thr Arg Val Gly Asp Ser Asn Pro Ile Ala Lys
 20 25 30
 Gly Arg Val Ala Ile Ala Gly Gly Ala Leu Phe Ile Leu Ala Gly Leu
 35 40 45
 Cys Thr Leu Thr Ala Val Ser Trp Tyr Ala Thr Leu Val Thr Xaa Glu
 50 55 60
 Phe Phe Asn Pro Ser Thr Pro Val Asn Ala Arg Tyr Glu Phe Gly Pro
 65 70 75 80
 Ala Leu Phe Val Gly Xaa Asp Ser Ala Gly Leu Ala Val Leu Ser Gly

	85		90		95										
Ser	Phe	Leu	Cys	Cys	Thr	Cys	Pro	Glu	Pro	Glu	Arg	Pro	Asn	Ser	Ser
			100					105					110		
Pro	Gln	Ala	Leu	Ser	Ala	Trp	Thr	Leu	Cys	Cys	Cys				
			115					120							

<210> 1574
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1574
Asn Ser Ala Arg Asp Gln Ala Ser Gly Glu Ser Ile His His Arg Thr
1 5 10 15
Ser Pro Ser Leu Pro Arg Thr Phe Leu Gly Gln Leu His Ser Gly Leu
20 25 30
Leu His His Leu Pro Cys Asp His Ile Ser His His Val Pro Arg Ser
35 40 45
Xaa Glu Arg Ser Ser Ala Ser Pro Ser Ser Leu Thr Leu Arg Gly Lys
50 55 60
Val Thr Glu Thr Lys Ser Asp Glu Met Thr Ala Met Tyr Thr Ala Val
65 70 75 80
Lys Gly Arg Glu Gly Arg Asn Asp Thr Asn Gly Arg Glu Leu Leu Gly
85 90 95

Asn

<210> 1575
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 1575
Met Val Val Ala Val Leu Leu Gly Phe Val Ala Met Val Leu Ser Val
1 5 10 15

Val	Gly	Met	Lys	Cys	Thr	Arg	Val	Gly	Asp	Ser	Asn	Pro	Ile	Ala	Lys
			20					25					30		
Gly	Arg	Val	Ala	Ile	Ala	Gly	Gly	Ala	Leu	Phe	Ile	Leu	Ala	Gly	Leu
		35					40					45			
Cys	Thr	Leu	Thr	Ala	Val	Ser	Trp	Tyr	Ala	Thr	Leu	Val	Thr	Gln	Glu
	50					55					60				
Phe	Phe	Asn	Pro	Ser	Thr	Pro	Val	Asn	Ala	Arg	Tyr	Glu	Phe	Gly	Pro
65					70					75					80
Ala	Leu	Phe	Val	Gly	Trp	Ala	Ser	Ala	Gly	Leu	Ala	Val	Leu	Gly	Gly
				85					90					95	
Ser	Phe	Leu	Cys	Cys	Thr	Cys	Pro	Glu	Pro	Glu	Arg	Pro	Asn	Ser	Ser
			100					105					110		
Pro	Gln	Pro	Tyr	Arg	Pro	Gly	Pro	Ser	Ala	Ala	Ala	Arg	Glu	Tyr	Val
	115						120					125			

<210> 1576
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 1576

Met	Val	Arg	Thr	Arg	Ala	Leu	Phe	Tyr	Ile	Phe	Phe	Gln	Leu	Ser	Leu
1				5					10				15		
Thr	Ser	Gly	Leu	Ile	Glu	Asp	Ser	Cys	Ile	Leu	Ile	Ile	Ile	Tyr	Leu
		20						25					30		
Phe	Phe	Phe	Arg	Trp	Cys	Leu	Ala	Leu	Ser	Pro	Met	Leu	Glu	Cys	Ser
	35						40					45			
Gly	Val	Thr	Leu	Ala	His	Cys	Asn	His	His	Leu	Leu	Gly	Arg	Leu	Arg
	50					55						60			
Gln	Glu	Asn	Arg	Leu	Asn	Leu	Gly	Gly	Gly	Asp	Cys	Ser	Glu	Leu	Arg
65					70					75					80
Leu	His	His	Cys	Thr	Leu	Ala	Cys	Val	Thr	Ser	Lys	Thr	Leu	Ser	His
				85					90					95	

Thr His Thr Lys

100

<210> 1577
<211> 100
<212> PRT
<213> Homo sapiens

<400> 1577

Met	Val	Arg	Thr	Arg	Ala	Leu	Phe	Tyr	Ile	Phe	Phe	Gln	Leu	Ser	Leu	
1				5					10					15		
Thr	Ser	Gly	Leu	Ile	Glu	Asp	Ser	Cys	Ile	Leu	Ile	Ile	Ile	Tyr	Leu	
			20					25						30		
Phe	Phe	Phe	Arg	Trp	Cys	Leu	Ala	Leu	Ser	Pro	Met	Leu	Glu	Cys	Ser	
			35				40					45				
Gly	Val	Thr	Leu	Ala	His	Cys	Asn	His	His	Leu	Leu	Gly	Arg	Leu	Arg	
	50					55						60				
Gln	Glu	Asn	Arg	Leu	Asn	Leu	Gly	Gly	Gly	Asp	Cys	Ser	Glu	Leu	Arg	
	65				70					75					80	
Leu	His	His	Cys	Thr	Leu	Ala	Cys	Val	Thr	Ser	Lys	Thr	Leu	Ser	His	
				85					90					95		
Thr	His	Thr	Lys													
			100													

<210> 1578
<211> 118
<212> PRT
<213> Homo sapiens

<400> 1578

Cys	Arg	Gly	Asp	Ile	Gln	Ile	Arg	Asp	Lys	Gly	Glu	Ala	Met	Leu	Arg	
1				5					10					15		
Lys	Thr	Leu	Asp	Arg	Ala	His	Phe	Thr	Pro	Pro	Asn	Arg	Tyr	Ile	Trp	
			20					25						30		
Ile	Tyr	Pro	Phe	Ser	Ala	Ser	Ser	Phe	Ser	Thr	Ile	Lys	Asn	Val	Thr	
			35				40					45				
Ile	Leu	Asn	Ala	His	Lys	Ser	His	Ser	Ser	Val	Thr	Phe	Cys	Glu	Cys	
	50					55					60					
Ser	Thr	Ile	Phe	Ser	Phe	Ser	Met	Thr	Phe	Gln	Pro	Gln	Ala	Glu	Lys	

65		70		75		80									
Thr	Val	Tyr	Ser	Leu	Thr	Gln	Arg	Leu	Lys	Arg	Ile	Phe	Tyr	Tyr	Phe
				85					90					95	
Lys	Tyr	Tyr	Thr	Phe	Arg	Thr	Ile	Thr	Cys	Leu	Arg	Lys	Leu	Ser	Gln
			100					105					110		
Asn	Val	Asp	Leu	Val	Lys										
			115												

<210> 1579

<211> 181

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (139)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (181)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1579

Met	Asn	Leu	Ser	Thr	Ala	Leu	Leu	Phe	Leu	Asn	Leu	Leu	Phe	Leu	Leu
1				5				10					15		

Asp	Gly	Trp	Ile	Thr	Ser	Phe	Asn	Val	Asp	Gly	Leu	Cys	Ile	Ala	Val
			20					25					30		

Ala	Val	Leu	Leu	His	Phe	Phe	Leu	Leu	Ala	Thr	Phe	Thr	Trp	Met	Gly
		35					40					45			

Leu	Glu	Ala	Ile	His	Met	Tyr	Ile	Ala	Leu	Val	Lys	Val	Phe	Asn	Thr
50						55					60				
Tyr	Ile	Arg	Arg	Tyr	Ile	Leu	Lys	Phe	Cys	Ile	Ile	Gly	Trp	Gly	Leu
65					70					75					80
Pro	Ala	Leu	Val	Val	Ser	Val	Val	Leu	Ala	Ser	Arg	Asn	Asn	Asn	Glu
			85					90						95	
Val	Tyr	Gly	Lys	Glu	Ser	Tyr	Gly	Lys	Glu	Lys	Gly	Asp	Glu	Phe	Cys
		100					105					110			
Trp	Ile	Gln	Asp	Pro	Val	Ile	Phe	Tyr	Val	Thr	Cys	Ala	Gly	Tyr	Phe
	115						120					125			
Gly	Val	Met	Xaa	Phe	Leu	Asn	Ile	Ala	Met	Xaa	Ile	Val	Val	Met	Val
130						135					140				
Gln	Ile	Cys	Gly	Arg	Asn	Gly	Lys	Arg	Ser	Asn	Arg	Thr	Leu	Arg	Glu
145					150					155					160
Glu	Val	Val	Arg	Asn	Leu	Arg	Xaa	Val	Xaa	Ser	Leu	Thr	Phe	Leu	Val
			165					170						175	
Gly	Met	Thr	Trp	Xaa											
			180												

<210> 1580

<211> 320

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1580

Met	Asn	Leu	Ser	Thr	Ala	Leu	Leu	Phe	Leu	Asn	Leu	Leu	Phe	Leu	Leu
1				5				10						15	
Asp	Gly	Trp	Ile	Thr	Ser	Phe	Asn	Val	Asp	Gly	Leu	Cys	Ile	Ala	Val
			20					25					30		
Ala	Val	Leu	Leu	His	Phe	Phe	Leu	Leu	Ala	Thr	Phe	Thr	Trp	Met	Gly
		35					40					45			
Leu	Glu	Ala	Ile	His	Met	Tyr	Ile	Ala	Leu	Val	Lys	Val	Phe	Asn	Thr
50						55					60				

Tyr	Ile	Arg	Arg	Tyr	Ile	Leu	Lys	Phe	Cys	Ile	Ile	Gly	Trp	Gly	Leu	
65					70					75					80	
Pro	Ala	Leu	Val	Val	Ser	Val	Val	Leu	Ala	Ser	Arg	Asn	Asn	Asn	Glu	
				85					90						95	
Val	Tyr	Gly	Lys	Glu	Ser	Tyr	Gly	Lys	Glu	Lys	Gly	Asp	Glu	Phe	Cys	
			100					105					110			
Trp	Ile	Gln	Asp	Pro	Val	Ile	Phe	Tyr	Val	Thr	Cys	Ala	Gly	Tyr	Phe	
		115					120					125				
Gly	Val	Met	Phe	Phe	Leu	Asn	Ile	Ala	Met	Phe	Ile	Val	Val	Met	Val	
	130					135					140					
Gln	Ile	Cys	Gly	Arg	Asn	Gly	Lys	Arg	Ser	Asn	Arg	Thr	Leu	Arg	Glu	
145					150					155					160	
Glu	Val	Leu	Arg	Asn	Leu	Arg	Xaa	Val	Val	Ser	Leu	Thr	Phe	Leu	Leu	
				165				170						175		
Gly	Met	Thr	Trp	Gly	Phe	Ala	Phe	Phe	Ala	Trp	Gly	Pro	Leu	Asn	Ile	
			180				185						190			
Pro	Phe	Met	Tyr	Leu	Phe	Ser	Ile	Phe	Asn	Ser	Leu	Gln	Gly	Leu	Phe	
		195					200					205				
Ile	Phe	Ile	Phe	His	Cys	Ala	Met	Lys	Glu	Asn	Val	Gln	Lys	Gln	Trp	
	210					215					220					
Arg	Arg	His	Leu	Cys	Cys	Gly	Arg	Phe	Arg	Leu	Ala	Asp	Asn	Ser	Asp	
225					230					235					240	
Trp	Ser	Lys	Thr	Ala	Thr	Asn	Ile	Ile	Lys	Lys	Ser	Ser	Asp	Asn	Leu	
				245					250					255		
Gly	Lys	Ser	Leu	Ser	Ser	Ser	Ser	Ile	Gly	Ser	Asn	Ser	Thr	Tyr	Leu	
			260					265					270			
Thr	Ser	Lys	Ser	Lys	Ser	Ser	Ser	Thr	Thr	Tyr	Phe	Lys	Arg	Asn	Ser	
		275					280					285				
His	Thr	Asp	Asn	Val	Ser	Tyr	Glu	His	Ser	Phe	Asn	Lys	Ser	Gly	Ser	
	290					295					300					
Leu	Arg	Gln	Cys	Phe	His	Gly	Gln	Val	Leu	Val	Lys	Thr	Gly	Pro	Cys	
305					310					315					320	

<210> 1581

<211> 131

<212> PRT

<213> Homo sapiens

<400> 1581

Asn Ile Phe Leu Glu Trp Ile Leu Arg Arg Ile Leu Ser Leu Trp Arg
1 5 10 15

Gly Thr Phe Leu Met His Gly Arg Ala Gly Val Asn Arg Ile Ser Tyr
20 25 30

Trp Pro Ala Asp Pro Glu Ile Ser Leu Leu Thr Glu Ala Ser Ser Ser
35 40 45

Glu Asp Ala Lys Leu Asp Ala Lys Ala Val Glu Arg Leu Lys Ser Asn
50 55 60

Ser Arg Ala His Val Cys Val Leu Leu Gln Pro Leu Val Cys Tyr Met
65 70 75 80

Val Gln Phe Val Glu Glu Thr Ser Tyr Lys Cys Asp Phe Ile Gln Lys
85 90 95

Ile Thr Lys Thr Leu Pro Asp Ala Asn Thr Asp Phe Tyr Tyr Glu Cys
100 105 110

Lys Gln Glu Arg Ile Lys Glu Tyr Glu Met Leu Lys Lys Lys Lys Lys
115 120 125

Lys Lys Thr
130

<210> 1582

<211> 87

<212> PRT

<213> Homo sapiens

<400> 1582

Met Thr Gly Gln Ile Pro Arg Leu Ser Lys Val Asn Leu Phe Thr Leu
1 5 10 15

Leu Ser Leu Trp Met Glu Leu Phe Pro Ala Glu Ala Gln Arg Gln Lys
20 25 30

Ser Gln Lys Asn Glu Glu Gly Lys His Gly Pro Leu Gly Asp Asn Glu
35 40 45

Glu Arg Thr Arg Val Ser Thr Asp Lys Arg Gln Lys Thr Met Phe Cys
50 55 60

Leu Phe Glu Asn Asp Cys Lys Cys Lys Ala Leu Arg Val Met Ile Arg
65 70 75 80

Ser Met Ser Arg Ser Val Pro
85

<210> 1583

<211> 87

<212> PRT

<213> Homo sapiens

<400> 1583

Met Thr Gly Gln Ile Pro Arg Leu Ser Lys Val Asn Leu Phe Thr Leu
1 5 10 15

Leu Ser Leu Trp Met Glu Leu Phe Pro Ala Glu Ala Gln Arg Gln Lys
20 25 30

Ser Gln Lys Asn Glu Glu Gly Lys His Gly Pro Leu Gly Asp Asn Glu
35 40 45

Glu Arg Thr Arg Val Ser Thr Asp Lys Arg Gln Lys Thr Met Phe Cys
50 55 60

Leu Phe Glu Asn Asp Cys Lys Cys Lys Ala Leu Arg Val Met Ile Arg
65 70 75 80

Ser Met Ser Arg Ser Val Pro
85

<210> 1584

<211> 113

<212> PRT

<213> Homo sapiens

<400> 1584

Met Ser Pro Ser Pro Arg Trp Gly Phe Leu Cys Val Leu Phe Thr Ala
1 5 10 15

Val His Pro Ala Pro Ser Thr Ala Pro Val Gln Asp Lys Cys Pro Val
20 25 30

Asn Thr Trp Glu Ala Met Gln Ala Ser Ser Gln Gln Leu Leu Gln Thr
35 40 45

Asp Pro Arg Pro Lys Pro Phe Leu Leu Pro Pro Leu Pro Pro Leu Leu
 50 55 60
 Leu Ile Ser Ala Gly Thr Glu Val Ser Ser Leu Val Phe Gln Lys Ser
 65 70 75 80
 Pro Leu His Thr Gln Pro Glu Gly Ala Ile Lys Thr Ala Gly Gln Pro
 85 90 95
 Thr Ser Val His Ser Lys Val Leu Ser Lys Gly Ser Leu Leu Leu Gly
 100 105 110
 Glu

<210> 1585
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 1585
 Met Pro His Ser Ser Leu Tyr Pro Pro Pro Phe Phe Lys Met Lys Leu
 1 5 10 15
 Ile Ile Arg Val Trp Phe Ile Ile Ser Leu Phe Phe Val Gln Gly Arg
 20 25 30
 Thr Asn Pro Cys Ile Leu Leu Pro Tyr Thr His Pro Gln Val Ala Leu
 35 40 45
 His Leu Leu Phe Cys Ala Leu Leu Phe Ser Asp Ala Leu Gly Lys Ala
 50 55 60
 Thr Ser Val Met Thr Tyr Thr Gly Phe Phe Thr His Ser Thr His Cys
 65 70 75 80
 Arg Phe His Ile Ser Cys Phe Ser Leu Ser Phe Leu Ile Leu
 85 90

<210> 1586
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 1586
 His Gln Ala Ile Lys Pro Gly Tyr Ser Ala Glu Asn Val Ala His Thr
 1 5 10 15

Asp His Thr Leu Gly Cys Val Thr Ile Val Trp Cys Thr Cys Trp Lys
 20 25 30
 Asn Ser Ser Met Leu Leu Gly Asp Ile Ile Ser Val Gly Asn Met Pro
 35 40 45
 Leu Thr Asp Phe Phe Phe Phe Leu Phe Ala Val Gly Leu Gly Gln Leu
 50 55 60
 Ile Gln Gln Ser Ile Phe Phe Phe Phe Leu Ser Pro Asn Leu Asn Arg
 65 70 75 80
 Ser Lys Met Cys Ser Gly Ile Pro Gly Asn Arg Cys Val Cys Lys Val
 85 90 95
 Lys Asn Arg Leu Phe Arg Asn Ser Leu Phe Arg Tyr Leu His Pro Ala
 100 105 110
 Ser His Val Lys Tyr Leu Ser Leu Lys Gly Leu Arg Cys Thr Ser Phe
 115 120 125
 Ile Ser Tyr Phe Ser
 130

<210> 1587
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 1587
 Met Pro His Ser Ser Leu Tyr Pro Pro Pro Phe Phe Lys Met Lys Leu
 1 5 10 15
 Ile Ile Arg Val Trp Phe Ile Ile Ser Leu Phe Phe Val Gln Gly Arg
 20 25 30
 Thr Asn Pro Cys Ile Leu Leu Pro Tyr Thr His Pro Gln Val Ala Leu
 35 40 45
 His Leu Leu Phe Cys Ala Leu Leu Phe Ser Asp Ala Leu Gly Lys Ala
 50 55 60
 Thr Ser Val Met Thr Tyr Thr Gly Phe Phe Thr His Ser Thr His Cys
 65 70 75 80
 Arg Phe His Ile Ser Cys Phe Ser Leu Ser Phe Leu Ile Leu
 85 90

<210> 1588
 <211> 215
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1588
 Met Glu Leu Ser Cys Pro Gly Ser Arg Cys Pro Val Gln Glu Gln Arg
 1 5 10 15

Ala Arg Trp Glu Arg Lys Arg Ala Cys Thr Ala Arg Glu Leu Leu Glu
 20 25 30

Thr Glu Arg Arg Tyr Gln Glu Gln Leu Gly Leu Val Ala Thr Tyr Phe
 35 40 45

Leu Gly Ile Leu Lys Ala Lys Gly Thr Leu Arg Pro Pro Glu Arg Gln
 50 55 60

Ala Leu Phe Gly Ser Trp Glu Leu Ile Tyr Gly Ala Ser Gln Glu Leu
 65 70 75 80

Leu Pro Tyr Leu Glu Gly Gly Cys Trp Gly Gln Gly Leu Glu Gly Phe
 85 90 95

Cys Arg His Leu Glu Leu Tyr Asn Gln Phe Ala Ala Asn Ser Glu Arg
 100 105 110

Ser Gln Thr Xaa Leu Gln Glu Gln Leu Lys Lys Asn Lys Gly Phe Arg
 115 120 125

Lys Phe Val Arg Leu Gln Glu Gly Arg Pro Glu Phe Gly Gly Leu Gln
 130 135 140

Leu Gln Asp Leu Leu Pro Leu Pro Leu Gln Arg Leu Gln Gln Tyr Glu
 145 150 155 160

Asn Leu Val Val Ala Leu Ala Glu Asn Thr Gly Pro Asn Ser Pro Asp
 165 170 175

His Gln Gln Leu Thr Arg Arg Phe Leu Leu Leu Gly Asn Ala Gly Trp
 180 185 190

Arg Leu Pro Leu Leu Tyr Ser Phe Leu Ile Leu Thr Ser Asn Asn Val
 195 200 205

Trp Tyr Asp Pro Ile Phe His
 210 215

<210> 1589
<211> 69
<212> PRT
<213> Homo sapiens

<400> 1589
Glu Ile Leu Leu Lys Lys Lys Asn Gln Glu Thr Lys Ser Asn Pro Thr
1 5 10 15
Lys Pro Gln Met Asn Gln Pro Leu Thr Gln Met Arg Gly Phe Gly Thr
20 25 30
Asp Lys Leu Cys Ala Val Ser Met Ala Arg His Leu Ser Arg Leu Gln
35 40 45
Leu Cys Lys Cys Gly Tyr Phe Tyr Val Val Tyr Ser Phe Tyr His Leu
50 55 60
Phe Phe His Trp Ile
65

<210> 1590
<211> 211
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1590
Met Ser Gly Met Thr Leu Ser Ser Thr Asp Met Tyr Thr Val Ser Leu
1 5 10 15
Leu Leu Cys Leu Xaa Phe Lys Lys Ser Asp Pro Asp Pro Gly Pro Phe
20 25 30
Gln Asn Asn Leu Phe His Asn His Gly Thr Gln Ser Gln Ser Cys Met
35 40 45
Gly Ser Lys Val Gly Asp Val Ile Pro Gly Ala Ala Arg Leu Ile Ser

50		55		60	
Glu Thr Ala Gln Arg Val His Thr Ile Gly Gln Lys Gln Lys Asn Asp					
65		70		75	80
Gln His Leu Arg Arg Val Gln Ala Leu Leu Ser Gly Arg Gln Ala Lys					
	85		90		95
Gly Leu Thr Ser Gly Arg Trp Xaa Leu Arg Gln Gly Trp Leu Leu Val					
	100		105		110
Val Pro Pro His Gly Glu Pro Arg Pro Arg Met Phe Phe Leu Phe Thr					
	115		120		125
Asp Val Leu Leu Met Ala Lys Pro Arg Pro Pro Leu His Leu Leu Arg					
	130		135		140
Ser Gly Thr Phe Ala Cys Lys Ala Leu Tyr Pro Met Ala Gln Cys His					
145		150		155	160
Leu Ser Arg Val Phe Gly His Ser Gly Gly Pro Cys Gly Gly Leu Leu					
	165		170		175
Ser Leu Ser Phe Pro Arg Glu Lys Leu Leu Leu Met Ser Thr Asp Gln					
	180		185		190
Glu Glu Leu Ser Arg Trp Tyr His Ser Leu Thr Trp Ala Ile Ser Ser					
	195		200		205
Gln Lys Asn					
210					

<210> 1591

<211> 349

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (183)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (191)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (192)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (334)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (344)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (345)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (348)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1591

Met	Phe	Leu	Asp	Arg	Pro	Gln	Gln	Trp	Leu	Gln	Leu	Val	Leu	Leu	Pro
1				5					10					15	

Pro	Ala	Leu	Phe	Ile	Pro	Ser	Thr	Glu	Asn	Glu	Glu	Gln	Arg	Leu	Ala
		20						25					30		

Ser	Ala	Arg	Ala	Val	Pro	Arg	Asn	Val	Gln	Pro	Tyr	Val	Val	Tyr	Glu
		35					40					45			

Glu	Val	Thr	Asn	Val	Trp	Ile	Asn	Val	His	Asp	Ile	Phe	Tyr	Pro	Phe
	50					55					60				

Pro	Gln	Ser	Glu	Gly	Glu	Asp	Glu	Leu	Cys	Phe	Leu	Arg	Ala	Asn	Glu
65					70					75					80

Cys	Lys	Thr	Gly	Phe	Cys	His	Leu	Tyr	Lys	Val	Thr	Ala	Val	Leu	Lys
				85					90					95	

Ser	Gln	Gly	Tyr	Asp	Trp	Ser	Glu	Pro	Phe	Ser	Pro	Gly	Glu	Asp	Glu
			100					105					110		

Phe	Lys	Cys	Pro	Ile	Lys	Glu	Glu	Ile	Ala	Leu	Thr	Ser	Gly	Glu	Trp
		115					120					125			

Glu	Val	Leu	Ala	Arg	His	Gly	Ser	Lys	Ile	Trp	Val	Asn	Glu	Glu	Thr
	130					135					140				

Lys	Leu	Val	Tyr	Phe	Gln	Gly	Thr	Lys	Asp	Thr	Pro	Leu	Glu	His	His
145					150					155					160

Leu Tyr Val Val Ser Tyr Glu Ala Ala Gly Glu Ile Val Arg Leu Thr
 165 170 175
 Thr Pro Gly Phe Ser His Xaa Cys Ser Met Ser Gln Asn Phe Xaa Xaa
 180 185 190
 Phe Val Ser His Ile Thr Ala Gln Val Ala Ala Ala Ser Ala Gly Asn
 195 200 205
 Gln Ala Gly Gly Thr Glu Trp Pro Ala Gly Pro Ser Glu Ala Leu Cys
 210 215 220
 Pro Ala Gln Arg Trp Pro Ala Pro Arg Ser Arg Cys Leu His Arg Pro
 225 230 235 240
 Asp Ala Phe Tyr Pro Phe Leu Asn Ala Leu Gly Phe Tyr Val Arg Cys
 245 250 255
 Phe Leu Val Ala Glu Thr Glu Arg Trp Trp Ser Arg Ala Ser Pro Ser
 260 265 270
 Ser Pro Arg Leu Leu Gly Gly Gly Gly His Thr Leu Met Gly Thr Gly
 275 280 285
 Glu Ala Arg Arg Asp Ser Glu Glu Arg Ala Ala Phe Arg Leu Gly Leu
 290 295 300
 Pro Val Thr Ser Gln Ser Pro Gly Pro Ala Ser His Arg Pro Gln His
 305 310 315 320
 Pro Ser Met Gln Leu Pro Val Pro Pro Gly Gln Pro Pro Xaa Leu Asp
 325 330 335
 Val Cys Val Leu Phe Gly Gly Xaa Xaa Phe Ile Xaa Ile
 340 345

<210> 1592

<211> 144

<212> PRT

<213> Homo sapiens

<400> 1592

Ala Pro Phe Leu Pro Lys Pro Glu Gln Arg Val Met Arg Ala Pro Gln
 1 5 10 15

Glu Lys Arg Pro Gly Pro Ala Gly Gly Thr Thr Cys Gly Gln Pro Ser
 20 25 30

Cys Pro Gln Ala Phe Arg Gln Ala Leu Lys Arg Thr Glu Leu Pro Arg

85					90					95					
Ser	Gln	Gly	Tyr	Asp	Trp	Ser	Glu	Pro	Phe	Ser	Pro	Gly	Glu	Asp	Glu
			100					105					110		
Phe	Lys	Cys	Pro	Ile	Lys	Glu	Glu	Ile	Ala	Leu	Thr	Ser	Gly	Glu	Trp
		115					120					125			
Glu	Val	Leu	Ala	Arg	His	Gly	Ser	Lys	Ile	Trp	Val	Asn	Glu	Glu	Thr
	130					135					140				
Lys	Leu	Val	Tyr	Phe	Gln	Gly	Thr	Lys	Asp	Thr	Pro	Leu	Glu	His	His
145					150					155					160
Leu	Tyr	Val	Val	Ser	Tyr	Glu	Ala	Ala	Gly	Glu	Ile	Val	Arg	Leu	Thr
				165					170						175
Thr	Pro	Gly	Phe	Ser	His	Xaa	Cys	Ser	Met	Ser	Gln	Asn	Phe	Asp	Met
			180					185					190		
Phe	Val	Ser	His	Tyr	Ser	Ser	Val	Ser	Thr	Pro	Pro	Cys	Val	His	Val
		195					200					205			
Tyr	Lys	Leu	Ser	Gly	Pro	Asp	Asp	Asp	Pro	Leu	His	Lys	Gln	Pro	Arg
	210					215					220				
Phe	Trp	Ala	Ser	Met	Met	Glu	Ala	Ala	Ser	Cys	Pro	Pro	Asp	Tyr	Val
225					230					235					240
Pro	Pro	Glu	Ile	Phe	His	Phe	His	Thr	Arg	Ser	Asp	Val	Arg	Leu	Tyr
				245					250					255	
Gly	Met	Ile	Tyr	Lys	Pro	His	Ala	Leu	Gln	Pro	Gly	Lys	Lys	His	Pro
			260					265					270		
Thr	Val	Leu	Phe	Val	Tyr	Gly	Gly	Pro	Gln	Val	Gln	Leu	Val	Asn	Asn
		275					280					285			
Ser	Phe	Lys	Gly	Ile	Lys	Tyr	Leu	Arg	Leu	Asn	Thr	Leu	Ala	Ser	Leu
	290					295					300				
Gly	Tyr	Ala	Val	Val	Val	Ile	Asp	Gly	Arg	Gly	Ser	Cys	Gln	Arg	Gly
305					310					315					320
Leu	Arg	Phe	Glu	Gly	Ala	Leu	Lys	Asn	Gln	Met	Gly	Gln	Val	Glu	Ile
				325					330					335	
Glu	Asp	Gln	Val	Glu	Gly	Leu	Gln	Phe	Val	Ala	Glu	Lys	Tyr	Gly	Phe
			340					345					350		
Ile	Asp	Leu	Ser	Arg	Val	Ala	Ile	His	Gly	Trp	Ser	Tyr	Gly	Gly	Phe
		355					360					365			

Leu Ser Leu Met Gly Leu Ile His Lys Pro Gln Val Phe Lys Val Ala
 370 375 380
 Ile Ala Gly Ala Pro Val Thr Val Trp Met Ala Tyr Asp Thr Gly Tyr
 385 390 395 400
 Thr Glu Arg Tyr Met Asp Val Pro Glu Asn Asn Gln His Gly Tyr Glu
 405 410 415
 Ala Gly Ser Val Ala Leu His Val Glu Lys Leu Pro Asn Glu Pro Asn
 420 425 430
 Arg Leu Leu Ile Leu His Gly Phe Leu Asp Glu Asn Val His Phe Phe
 435 440 445
 His Thr Asn Phe Leu Val Ser Gln Leu Ile Arg Ala Gly Lys Pro Tyr
 450 455 460
 Gln Leu Gln Ile Tyr Pro Asn Glu Arg His Ser Ile Arg Cys Pro Glu
 465 470 475 480
 Ser Gly Glu His Tyr Glu Val Thr Leu Leu His Phe Leu Gln Glu Tyr
 485 490 495

Leu

<210> 1594

<211> 497

<212> PRT

<213> Homo sapiens

<400> 1594

Met Phe Leu Asp Arg Pro Gln Gln Trp Leu Gln Leu Val Leu Leu Pro
 1 5 10 15
 Pro Ala Leu Phe Ile Pro Ser Thr Glu Asn Glu Glu Gln Arg Leu Ala
 20 25 30
 Ser Ala Arg Ala Val Pro Arg Asn Val Gln Pro Tyr Val Val Tyr Glu
 35 40 45
 Glu Val Thr Asn Val Trp Ile Asn Val His Asp Ile Phe Tyr Pro Phe
 50 55 60
 Pro Gln Ser Glu Gly Glu Asp Glu Leu Cys Phe Leu Arg Ala Asn Glu
 65 70 75 80
 Cys Lys Thr Gly Phe Cys His Leu Tyr Lys Val Thr Ala Val Leu Lys

85								90				95			
Ser	Gln	Gly	Tyr	Asp	Trp	Ser	Glu	Pro	Phe	Ser	Pro	Gly	Glu	Asp	Glu
			100					105					110		
Phe	Lys	Cys	Pro	Ile	Lys	Glu	Glu	Ile	Ala	Leu	Thr	Ser	Gly	Glu	Trp
		115					120					125			
Glu	Val	Leu	Ala	Arg	His	Gly	Ser	Lys	Ile	Trp	Val	Asn	Glu	Glu	Thr
	130					135					140				
Lys	Leu	Val	Tyr	Phe	Gln	Gly	Thr	Lys	Asp	Thr	Pro	Leu	Glu	His	His
145					150					155					160
Leu	Tyr	Val	Val	Ser	Tyr	Glu	Ala	Ala	Gly	Glu	Ile	Val	Arg	Leu	Thr
				165					170					175	
Thr	Pro	Gly	Phe	Ser	His	Ser	Cys	Ser	Met	Ser	Gln	Asn	Phe	Asp	Met
			180					185					190		
Phe	Val	Ser	His	Tyr	Ser	Ser	Val	Ser	Thr	Pro	Pro	Cys	Val	His	Val
		195					200					205			
Tyr	Lys	Leu	Ser	Gly	Pro	Asp	Asp	Asp	Pro	Leu	His	Lys	Gln	Pro	Arg
	210					215					220				
Phe	Trp	Ala	Ser	Met	Met	Glu	Ala	Ala	Ser	Cys	Pro	Pro	Asp	Tyr	Val
225					230					235					240
Pro	Pro	Glu	Ile	Phe	His	Phe	His	Thr	Arg	Ser	Asp	Val	Arg	Leu	Tyr
				245					250					255	
Gly	Met	Ile	Tyr	Lys	Pro	His	Ala	Leu	Gln	Pro	Gly	Lys	Lys	His	Pro
			260					265					270		
Thr	Val	Leu	Phe	Val	Tyr	Gly	Gly	Pro	Gln	Val	Gln	Leu	Val	Asn	Asn
		275					280					285			
Ser	Phe	Lys	Gly	Ile	Lys	Tyr	Leu	Arg	Leu	Asn	Thr	Leu	Ala	Ser	Leu
	290					295					300				
Gly	Tyr	Ala	Val	Val	Val	Ile	Asp	Gly	Arg	Gly	Ser	Cys	Gln	Arg	Gly
305					310					315					320
Leu	Arg	Phe	Glu	Gly	Ala	Leu	Lys	Asn	Gln	Met	Gly	Gln	Val	Glu	Ile
				325					330					335	
Glu	Asp	Gln	Val	Glu	Gly	Leu	Gln	Phe	Val	Ala	Glu	Lys	Tyr	Gly	Phe
			340					345					350		
Ile	Asp	Leu	Ser	Arg	Val	Ala	Ile	His	Gly	Trp	Ser	Tyr	Gly	Gly	Phe
		355					360					365			

Leu Ser Leu Met Gly Leu Ile His Lys Pro Gln Val Phe Lys Val Ala
 370 375 380
 Ile Ala Gly Ala Pro Val Thr Val Trp Met Ala Tyr Asp Thr Gly Tyr
 385 390 395 400
 Thr Glu Arg Tyr Met Asp Val Pro Glu Asn Asn Gln His Gly Tyr Glu
 405 410 415
 Ala Gly Ser Val Ala Leu His Val Glu Lys Leu Pro Asn Glu Pro Asn
 420 425 430
 Arg Leu Leu Ile Leu His Gly Phe Leu Asp Glu Asn Val His Phe Phe
 435 440 445
 His Thr Asn Phe Leu Val Ser Gln Leu Ile Arg Ala Gly Lys Pro Tyr
 450 455 460
 Gln Leu Gln Ile Tyr Pro Asn Glu Arg His Ser Ile Arg Cys Pro Glu
 465 470 475 480
 Ser Gly Glu His Tyr Glu Val Thr Leu Leu His Phe Leu Gln Glu Tyr
 485 490 495

Leu

<210> 1595
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 1595
 Met Thr Ser Val Ser Gln Ala Ser Leu Asp Val Ser Met Ile Ile Ile
 1 5 10 15
 Ile Ser Leu Gly Ala Ile Cys Ala Val Leu Leu Val Ile Met Val Leu
 20 25 30
 Phe Ala Thr Arg Cys Asn Arg Glu Lys Lys Asp Thr Arg Ser Tyr Asn
 35 40 45
 Cys Arg Val Ala Glu Ser Thr Tyr Gln His His Pro Lys Arg Pro Ser
 50 55 60
 Arg Gln Ile His Lys Gly Asp Ile Thr Leu Val Pro Thr Ile Asn Gly
 65 70 75 80
 Thr Leu Pro Ile Arg Ser His His Arg Ser Ser Pro Ser Ser Pro

				85					90					95			
Thr	Leu	Glu	Arg	Gly	Gln	Met	Gly	Ser	Arg	Gln	Ser	His	Asn	Ser	His		
			100					105					110				
Gln	Ser	Leu	Asn	Ser	Leu	Val	Thr	Ile	Ser	Ser	Asn	His	Val	Pro	Glu		
		115					120					125					
Asn	Phe	Ser	Leu	Glu	Leu	Thr	His	Ala	Thr	Pro	Ala	Val	Glu	Arg	Leu		
	130					135					140						
Ser	Ala	Ser	Phe	Asn	Ala	Ser	Pro	Gly	Ala	Ile	Ser	Ala	Lys	Thr	Lys		
145					150					155					160		
Phe	Ser	Arg	Lys	Gln	Ile	Phe	Gln	Glu	Leu	Gln	Ile	Cys	Pro	Ser	Arg		
				165					170						175		
His	Gly	Gln	Ile														
			180														

<210> 1596
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 1596

Met	Thr	Ser	Val	Ser	Gln	Ala	Ser	Leu	Asp	Val	Ser	Met	Ile	Ile	Ile		
1				5					10				15				
Ile	Ser	Leu	Gly	Ala	Ile	Cys	Ala	Val	Leu	Leu	Val	Ile	Met	Val	Leu		
			20					25					30				
Phe	Ala	Thr	Arg	Cys	Asn	Arg	Glu	Lys	Lys	Asp	Thr	Arg	Ser	Tyr	Asn		
		35					40					45					
Cys	Arg	Val	Ala	Glu	Ser	Thr	Tyr	Gln	His	His	Pro	Lys	Arg	Pro	Ser		
	50					55					60						
Arg	Gln	Ile	His	Lys	Gly	Asp	Ile	Thr	Leu	Val	Pro	Thr	Ile	Asn	Gly		
65					70					75					80		
Thr	Leu	Pro	Ile	Arg	Ser	His	His	Arg	Ser	Ser	Pro	Ser	Ser	Ser	Pro		
				85					90					95			
Thr	Leu	Glu	Arg	Gly	Gln	Met	Gly	Ser	Arg	Gln	Ser	His	Asn	Ser	His		
			100					105					110				
Gln	Ser	Leu	Asn	Ser	Leu	Val	Thr	Ile	Ser	Ser	Asn	His	Val	Pro	Glu		
		115					120					125					

Asn	Phe	Ser	Leu	Glu	Leu	Thr	His	Ala	Thr	Pro	Ala	Val	Glu	Val	Ser
130						135					140				
Gln	Leu	Leu	Ser	Met	Leu	His	Gln	Gly	Gln	Tyr	Gln	Pro	Arg	Pro	Ser
145					150					155					160
Phe	Arg	Gly	Asn	Lys	Tyr	Ser	Arg	Ser	Tyr	Arg	Tyr	Ala	Leu	Gln	Asp
				165					170					175	
Met	Asp	Lys	Phe	Ser	Leu	Lys	Asp	Ser	Gly	Arg	Gly	Asp	Ser	Glu	Ala
			180					185					190		
Gly	Asp	Ser	Asp	Tyr	Asp	Leu	Gly	Arg	Asp	Ser	Pro	Ile	Asp	Arg	Leu
		195					200					205			
Leu	Gly	Glu	Gly	Phe	Ser	Asp	Leu	Phe	Leu	Thr	Asp	Gly	Arg	Ile	Pro
	210					215					220				
Ala	Ser	Tyr	Glu	Thr	Leu	His	Gly	Gly	Val	Gln	Gly	Pro	Gly	Thr	Leu
225					230					235					240

<210> 1597

<211> 447

<212> PRT

<213> Homo sapiens

<400> 1597

Met	Thr	Ser	Val	Ser	Gln	Ala	Ser	Leu	Asp	Val	Ser	Met	Ile	Ile	Ile
1				5					10				15		
Ile	Ser	Leu	Gly	Ala	Ile	Cys	Ala	Val	Leu	Leu	Val	Ile	Met	Val	Leu
			20					25					30		
Phe	Ala	Thr	Arg	Cys	Asn	Arg	Glu	Lys	Lys	Asp	Thr	Arg	Ser	Tyr	Asn
		35					40					45			
Cys	Arg	Val	Ala	Glu	Ser	Thr	Tyr	Gln	His	His	Pro	Lys	Arg	Pro	Ser
	50					55					60				
Arg	Gln	Ile	His	Lys	Gly	Asp	Ile	Thr	Leu	Val	Pro	Thr	Ile	Asn	Gly
65					70					75					80
Thr	Leu	Pro	Ile	Arg	Ser	His	His	Arg	Ser	Ser	Pro	Ser	Ser	Ser	Pro
				85					90					95	
Thr	Leu	Glu	Arg	Gly	Gln	Met	Gly	Ser	Arg	Gln	Ser	His	Asn	Ser	His
			100					105					110		

Gln	Ser	Leu	Asn	Ser	Leu	Val	Thr	Ile	Ser	Ser	Asn	His	Val	Pro	Glu	
		115					120					125				
Asn	Phe	Ser	Leu	Glu	Leu	Thr	His	Ala	Thr	Pro	Ala	Val	Glu	Val	Ser	
	130					135					140					
Gln	Leu	Leu	Ser	Met	Leu	His	Gln	Gly	Gln	Tyr	Gln	Pro	Arg	Pro	Ser	
145					150					155					160	
Phe	Arg	Gly	Asn	Lys	Tyr	Ser	Arg	Ser	Tyr	Arg	Tyr	Ala	Leu	Gln	Asp	
			165						170					175		
Met	Asp	Lys	Phe	Ser	Leu	Lys	Asp	Ser	Gly	Arg	Gly	Asp	Ser	Glu	Ala	
			180					185					190			
Gly	Asp	Ser	Asp	Tyr	Asp	Leu	Gly	Arg	Asp	Ser	Pro	Ile	Asp	Arg	Leu	
	195						200					205				
Leu	Gly	Glu	Gly	Phe	Ser	Asp	Leu	Phe	Leu	Thr	Asp	Gly	Arg	Ile	Pro	
	210					215					220					
Ala	Ala	Met	Arg	Leu	Cys	Thr	Glu	Glu	Cys	Arg	Val	Leu	Gly	His	Ser	
225					230					235					240	
Asp	Gln	Cys	Trp	Met	Pro	Pro	Leu	Pro	Ser	Pro	Ser	Ser	Asp	Tyr	Arg	
				245					250					255		
Ser	Asn	Met	Phe	Ile	Pro	Gly	Glu	Glu	Phe	Pro	Thr	Gln	Pro	Gln	Gln	
			260					265					270			
Gln	His	Pro	His	Gln	Ser	Leu	Glu	Asp	Asp	Ala	Gln	Pro	Ala	Asp	Ser	
		275					280					285				
Gly	Glu	Lys	Lys	Lys	Ser	Phe	Ser	Thr	Phe	Gly	Lys	Asp	Ser	Pro	Asn	
	290					295					300					
Asp	Glu	Asp	Thr	Gly	Asp	Thr	Ser	Thr	Ser	Ser	Leu	Leu	Ser	Glu	Met	
305					310					315					320	
Ser	Ser	Val	Phe	Gln	Arg	Leu	Leu	Pro	Pro	Ser	Leu	Asp	Thr	Tyr	Ser	
				325					330					335		
Glu	Cys	Ser	Glu	Val	Asp	Arg	Ser	Asn	Ser	Leu	Glu	Arg	Arg	Lys	Gly	
			340					345					350			
Pro	Leu	Pro	Ala	Lys	Thr	Val	Gly	Tyr	Pro	Gln	Gly	Val	Ala	Ala	Trp	
		355					360					365				
Ala	Ala	Ser	Thr	His	Phe	Gln	Asn	Pro	Thr	Thr	Asn	Cys	Gly	Pro	Pro	
	370					375					380					

Leu Gly Thr His Ser Ser Val Gln Pro Ser Ser Lys Trp Leu Pro Ala
 385 390 395 400

Met Glu Glu Ile Pro Glu Asn Tyr Glu Glu Asp Asp Phe Asp Asn Val
 405 410 415

Leu Asn His Leu Asn Asp Gly Lys His Glu Leu Met Asp Ala Ser Glu
 420 425 430

Leu Val Ala Glu Ile Asn Lys Leu Leu Gln Asp Val Arg Gln Ser
 435 440 445

<210> 1598

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1598

Met Thr Ser Tyr Ile Leu Ile Ser Phe Val Leu Leu Ile Gly Val Gly
 1 5 10 15

Cys Ile Glu Lys Asp Gln Ser Cys Pro Val Phe Gly Gly Arg Lys Arg
 20 25 30

Leu His Leu Leu Phe Val Gly Gly Gln Leu Arg Gln Val Xaa Leu Gly
 35 40 45

Ala Pro Arg Pro Pro Gly Gly Gln Asp Pro Ser His Gln Arg Leu Gly
 50 55 60

Arg Gly Glu Leu Pro Leu Val Arg Gln His His Arg Asp Leu His His
 65 70 75 80

Arg Gly Pro His Gln Glu Gly Leu Gln Val His His Gln His Glu
 85 90 95

<210> 1599

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1599

Xaa Pro Ser Trp Trp Gly Pro Arg Trp Cys Arg Ser Ser Cys Gly Val
1 5 10 15

Ala Arg Thr Arg Val Val His Pro Val Arg Val Ala Asp Gly Leu Asp
20 25 30

Leu Ala Leu Leu Glu Val Gly Glu Leu Pro Ala Gly His Ala Leu Leu
35 40 45

Ala Val Leu Val Val Glu Leu His Val Ala Ala Arg Leu Asp Pro Ala
50 55 60

Asn Tyr Pro Ser Leu Leu Leu Gly Asp Gly Arg His Asp His Leu Gly
65 70 75 80

Arg Gly Pro Glu Val Gly Cys Pro Val Ala Glu His His Ala Gly Gly
85 90 95

Leu Ile Asp Ala Ser Gly Asp Gly Val Asp Gly Gly Phe His Ile Asn
100 105 110

His Arg Asp Pro Phe Pro Glu Asp Ser Gly Phe Ala Ser Asp Ala Leu
115 120 125

Asn Thr Ala His Gly Ile Gln Glu Arg Ser Asp Leu Gln Gly Arg Pro
130 135 140

Ala Val Thr Glu Lys Thr Arg His
145 150

<210> 1600

<211> 82

<212> PRT

<213> Homo sapiens

<400> 1600

Met Arg Thr Trp Ala Ser Leu Ala Leu Gly Leu Thr Arg Ala Leu Gly
1 5 10 15

Gly Met Gly Ser Phe Leu Leu Arg Ile Leu Gly Trp Ser Trp Ala Met
20 25 30

Gly Ser Arg Ser Arg Ala Arg Trp Pro Arg Gly Arg Leu Gly Phe Thr
35 40 45

Ser Met Leu Ser Cys Met Arg Gln Cys Ser Val Cys Arg Met Ile Met

50

55

60

Ser Leu Val Glu Val Leu Val Ala Thr Ser Gln Val Val Lys Leu Trp
 65 70 75 80

Ser Arg

<210> 1601
 <211> 306
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (180)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (182)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (188)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (208)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (210)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (211)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (218)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (219)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1601

Met	Ala	Leu	Arg	Leu	Leu	Arg	Arg	Ala	Ala	Arg	Gly	Ala	Ala	Ala	Ala
1				5				10						15	
Ala	Leu	Leu	Arg	Leu	Lys	Ala	Ser	Leu	Ala	Ala	Asp	Ile	Pro	Arg	Leu
			20					25					30		
Gly	Tyr	Ser	Ser	Ser	Ser	His	His	Lys	Tyr	Ile	Pro	Arg	Arg	Ala	Val
		35					40					45			
Leu	Tyr	Val	Pro	Gly	Asn	Asp	Glu	Lys	Lys	Ile	Lys	Lys	Ile	Pro	Ser
	50					55					60				
Leu	Asn	Val	Asp	Cys	Ala	Val	Leu	Asp	Cys	Glu	Asp	Gly	Val	Ala	Ala
65					70					75					80
Asn	Lys	Lys	Asn	Glu	Ala	Arg	Leu	Arg	Ile	Val	Lys	Thr	Leu	Glu	Asp
			85						90					95	
Ile	Asp	Leu	Gly	Pro	Thr	Glu	Lys	Cys	Val	Arg	Val	Asn	Ser	Val	Ser
		100						105					110		
Ser	Gly	Leu	Ala	Glu	Glu	Asp	Leu	Glu	Thr	Leu	Leu	Gln	Ser	Arg	Val
		115					120					125			
Leu	Pro	Ser	Ser	Leu	Met	Leu	Pro	Lys	Val	Glu	Ser	Pro	Glu	Glu	Ile
	130					135					140				
Gln	Trp	Ala	Val	Cys	Glu	Glu	Thr	Leu	Lys	Val	Gly	Pro	Gln	Val	Gly
145					150					155					160
Leu	Phe	Leu	Asp	Ala	Val	Arg	Phe	Trp	Arg	Xaa	Arg	Leu	Ser	Ser	His
			165						170					175	
Ile	Gly	Ala	Xaa	Ser	Xaa	Lys	Glu	Thr	Leu	Asp	Xaa	Leu	Tyr	Ala	Arg
		180						185					190		
Gln	Lys	Ile	Val	Val	Ile	Ala	Lys	Ala	Phe	Gly	Leu	Gln	Ala	Val	Xaa
		195					200					205			
Leu	Xaa	Xaa	Ile	Asp	Phe	Arg	Asp	Gly	Xaa	Xaa	Leu	Leu	Arg	Gln	Ser
	210					215					220				
Arg	Glu	Gly	Ala	Ala	Met	Gly	Phe	Thr	Gly	Lys	Gln	Val	Ile	His	Pro

225		230		235		240									
Asn	Gln	Ile	Ala	Val	Val	Gln	Glu	Gln	Phe	Ser	Pro	Ser	Pro	Glu	Lys
				245					250					255	
Ile	Lys	Trp	Ala	Glu	Glu	Leu	Ile	Ala	Ala	Phe	Lys	Glu	His	Gln	Gln
			260					265					270		
Leu	Gly	Lys	Gly	Ala	Phe	Thr	Phe	Gln	Gly	Ser	Met	Ile	Asp	Met	Pro
		275					280					285			
Leu	Leu	Lys	Gln	Ala	Gln	Asn	Thr	Val	Thr	Leu	Ala	Thr	Ser	Ile	Lys
	290					295					300				
Glu Lys															
305															

<210> 1602
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 1602															
Met	Glu	Asp	Arg	Leu	Leu	Leu	Ile	Leu	Val	Phe	Pro	Leu	Leu	Trp	Phe
1				5					10					15	
Pro	Val	Ala	Val	Phe	Gln	Leu	Val	Leu	Leu	Leu	Pro	Phe	Leu	Leu	Ile
			20					25					30		
His	Ser	Leu	Asn	Cys	Leu	Glu	Trp	Arg	His	Leu	Phe	Ser	Ala	Tyr	Arg
		35					40					45			
Val	His	Ile	Leu	Ala	Trp	Leu	Ala	Tyr	Pro	Cys	Phe	Cys	Val	Ser	Leu
	50					55					60				
Arg	Val	Arg	His	Cys	Ile	Glu	Leu	Phe	Ile	Gln	Ile	Val	Leu	Ser	Leu
65					70					75					80
Pro	Gln	Cys	Cys	Gly	Ile	Gly	Gly	Val	Pro	Ile	Leu				
				85					90						

<210> 1603
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1603

Met Pro Thr Ser Ile Leu Leu Thr Trp His Leu Leu Thr Trp His Leu
1 5 10 15

Leu Gly Cys His Lys Thr Asp Lys Ser Phe His Val Arg Leu Asp Thr
20 25 30

Cys Gln Gly Gly Val Ser Lys Leu Gly His Arg Gln His Pro Arg Pro
35 40 45

Gly His Trp Val Glu Glu Thr Val Leu Gly Xaa Thr Arg Arg Glu Gly
50 55 60

Pro Gly Leu Phe Pro
65

<210> 1604

<211> 69

<212> PRT

<213> Homo sapiens

<400> 1604

Met Pro Thr Ser Ile Leu Leu Thr Trp His Leu Leu Thr Trp His Leu
1 5 10 15

Leu Gly Cys His Lys Thr Asp Lys Ser Phe His Val Arg Leu Asp Thr
20 25 30

Cys Gln Gly Gly Val Ser Lys Leu Gly His Arg Gln His Pro Arg Pro
35 40 45

Gly His Trp Val Glu Glu Thr Val Leu Gly Arg Ser Arg Arg Glu Gly
50 55 60

Pro Gly Leu Phe Pro
65

<210> 1605

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1605

Met	Ile	Trp	Arg	Ser	Arg	Ala	Gly	Ala	Glu	Leu	Phe	Ser	Leu	Met	Ala
1				5					10					15	

Leu	Trp	Glu	Trp	Ile	Ala	Leu	Ser	Leu	His	Cys	Trp	Val	Leu	Ala	Val
		20						25					30		

Ala	Ala	Val	Ser	Asp	Gln	His	Ala	Thr	Ser	Pro	Phe	Asp	Trp	Leu	Leu
		35					40					45			

Ser	Asp	Lys	Gly	Pro	Phe	His	Arg	Ser	Gln	Glu	Tyr	Thr	Asp	Phe	Val
	50					55					60				

Asp	Arg	Xaa	Arg	Gln	Gly	Phe	Ser	Thr	Xaa	Tyr	Lys				
65					70					75					

<210> 1606

<211> 201

<212> PRT

<213> Homo sapiens

<400> 1606

Met	Val	Ala	Met	Val	Glu	Val	Gln	Leu	Asp	Ala	Asp	His	Asp	Tyr	Pro
1				5					10					15	

Pro	Gly	Leu	Leu	Ile	Ala	Phe	Ser	Ala	Cys	Thr	Thr	Val	Leu	Val	Ala
		20						25					30		

Val	His	Leu	Phe	Ala	Leu	Met	Ile	Ser	Thr	Cys	Ile	Leu	Pro	Asn	Ile
		35					40					45			

Glu	Ala	Val	Ser	Asn	Val	His	Asn	Leu	Asn	Ser	Val	Lys	Glu	Ser	Pro
	50					55					60				

His	Glu	Arg	Met	His	Arg	His	Ile	Glu	Leu	Ala	Trp	Ala	Phe	Ser	Thr
65					70					75					80

Val	Ile	Gly	Thr	Leu	Leu	Phe	Leu	Ala	Glu	Val	Val	Leu	Leu	Cys	Trp
				85					90					95	

Val	Lys	Phe	Leu	Pro	Leu	Lys	Lys	Gln	Pro	Gly	Gln	Pro	Arg	Pro	Thr
			100					105					110		

Ser Lys Pro Pro Ala Ser Gly Ala Ala Ala Asn Val Ser Thr Ser Gly
 115 120 125
 Ile Thr Pro Gly Gln Ala Ala Ala Ile Ala Ser Thr Thr Ile Met Val
 130 135 140
 Pro Phe Gly Leu Ile Phe Ile Val Phe Ala Val His Phe Tyr Arg Ser
 145 150 155 160
 Leu Val Ser His Lys Thr Asp Arg Gln Phe Gln Glu Leu Asn Glu Leu
 165 170 175
 Ala Glu Phe Ala Arg Leu Gln Asp Gln Leu Asp His Arg Gly Asp His
 180 185 190
 Pro Leu Thr Pro Gly Ser His Tyr Ala
 195 200

<210> 1607
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 1607
 Met Ser Ala Cys Thr Ala Thr Ser Ser Trp Pro Gly Pro Ser Pro Pro
 1 5 10 15
 Ser Ser Ala Arg Cys Ser Ser
 20

<210> 1608
 <211> 219
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (205)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (212)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1608
 Tyr Phe Ser Val Gly Gln Arg Gln Cys Trp Ile Ser Phe Thr Leu Thr
 1 5 10 15

Ala Gln Asn Ser Ile Cys Cys Leu Pro Cys Asn Leu Arg Thr Asn Thr
 20 25 30
 His Leu Leu Tyr Asn Pro Arg Arg Gly Asp Ile Lys Leu Thr Gln Leu
 35 40 45
 Ala Met Leu Leu Ala Glu Ile Ser Ser Val Ala His Gln Lys Asp Gly
 50 55 60
 Ser Phe Cys Pro Ile Val Met Cys Gly Asp Phe Asn Ser Val Pro Gly
 65 70 75 80
 Ser Pro Leu Tyr Ser Phe Ile Lys Glu Gly Lys Leu Asn Tyr Glu Gly
 85 90 95
 Leu Pro Ile Gly Lys Val Ser Gly Gln Glu Gln Ser Ser Arg Gly Gln
 100 105 110
 Arg Ile Leu Ser Ile Pro Ile Trp Pro Pro Asn Leu Gly Ile Ser Gln
 115 120 125
 Asn Cys Val Tyr Glu Val Gln Gln Val Pro Lys Val Glu Lys Thr Asp
 130 135 140
 Ser Asp Leu Thr Gln Thr Gln Leu Lys Gln Thr Glu Val Leu Val Thr
 145 150 155 160
 Ala Glu Lys Leu Ser Ser Asn Leu Gln His His Phe Ser Leu Ser Ser
 165 170 175
 Val Tyr Ser His Tyr Phe Pro Asp Thr Gly Ile Pro Glu Val Thr Thr
 180 185 190
 Cys His Ser Arg Ser Ala Ile Thr Val Asp Tyr Ile Xaa Leu Leu Cys
 195 200 205
 Arg Lys Gly Xaa Cys Cys Trp Ala Pro Arg Ser
 210 215

<210> 1609

<211> 267

<212> PRT

<213> Homo sapiens

<400> 1609

Met Leu Ile Ala Val Gly Ile His Leu Leu Leu Leu Met Phe Glu Val
 1 5 10 15

Leu Val Cys Asp Arg Val Glu Arg Gly Thr His Phe Trp Leu Leu Val

	20		25		30														
Phe	Met	Pro	Leu	Phe	Phe	Val	Ser	Pro	Val	Ser	Val	Ala	Ala	Cys	Val				
	35						40					45							
Trp	Gly	Phe	Arg	His	Asp	Arg	Ser	Leu	Glu	Leu	Glu	Ile	Leu	Cys	Ser				
	50					55					60								
Val	Asn	Ile	Leu	Gln	Phe	Ile	Phe	Ile	Ala	Leu	Lys	Leu	Asp	Arg	Ile				
	65				70					75					80				
Ile	His	Trp	Pro	Trp	Leu	Val	Val	Phe	Val	Pro	Leu	Trp	Ile	Leu	Met				
				85					90					95					
Ser	Phe	Leu	Cys	Leu	Val	Val	Leu	Tyr	Tyr	Ile	Val	Trp	Ser	Leu	Leu				
			100					105					110						
Phe	Leu	Arg	Ser	Leu	Asp	Val	Val	Ala	Glu	Gln	Arg	Arg	Thr	His	Val				
		115					120					125							
Thr	Met	Ala	Ile	Ser	Trp	Ile	Thr	Ile	Val	Val	Pro	Leu	Leu	Thr	Phe				
	130					135					140								
Glu	Val	Leu	Leu	Val	His	Arg	Leu	Asp	Gly	His	Asn	Thr	Phe	Ser	Tyr				
	145				150					155					160				
Val	Ser	Ile	Phe	Val	Pro	Leu	Trp	Leu	Ser	Leu	Leu	Thr	Leu	Met	Ala				
				165					170					175					
Thr	Thr	Phe	Arg	Arg	Lys	Gly	Gly	Asn	His	Trp	Trp	Phe	Gly	Ile	Arg				
			180					185					190						
Arg	Asp	Phe	Cys	Gln	Phe	Leu	Leu	Glu	Ile	Phe	Pro	Phe	Leu	Arg	Glu				
		195					200					205							
Tyr	Gly	Asn	Ile	Ser	Tyr	Asp	Leu	His	His	Glu	Asp	Ser	Glu	Asp	Ala				
	210					215					220								
Glu	Glu	Thr	Ser	Val	Pro	Glu	Ala	Pro	Lys	Ile	Ala	Pro	Ile	Phe	Gly				
	225				230					235					240				
Lys	Lys	Ala	Arg	Val	Val	Ile	Thr	Gln	Ser	Pro	Gly	Lys	Tyr	Val	Pro				
				245					250					255					
Pro	Pro	Pro	Lys	Leu	Asn	Ile	Asp	Met	Pro	Asp									
			260					265											

<210> 1610
 <211> 123
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1610

Met	Ile	Thr	Thr	Ala	Gly	Lys	Val	Val	Val	Thr	Ile	Leu	Leu	Gly	Ser
1				5					10					15	

Ser	Gly	Met	Met	Leu	Pro	Ser	Leu	Thr	Ser	Ser	Val	Tyr	Phe	Phe	Val
			20					25					30		

Phe	Leu	Gly	Leu	Cys	Thr	Trp	Trp	Ser	Trp	Cys	Arg	Thr	Phe	Asp	Pro
		35					40					45			

Leu	Leu	Phe	Ser	Cys	Leu	Cys	Val	Leu	Leu	Ala	Ile	Phe	Thr	Ala	Gly
	50					55					60				

His	Leu	Ile	Gly	Leu	Tyr	Leu	Tyr	Gln	Phe	Gln	Phe	Phe	Gln	Glu	Ala
65					70					75					80

Val	Pro	Pro	Asn	Asp	Tyr	Tyr	Ala	Ser	Phe	Gly	Xaa	Xaa	Glu	Glu	Phe
				85					90					95	

Phe	Tyr	Ser	Thr	Gly	Thr	Glu	Leu	Ile	Ile	Pro	Xaa	Arg	Leu	Leu	Gln
			100					105					110		

Ala	His	His	Asn	Xaa	Thr	Tyr	Lys	Gln	Xaa	Tyr
		115					120			

<210> 1611
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1611
 Pro Gly Leu Arg Lys Asn Arg Pro Ser Val Pro Arg Arg Ser Ser Pro
 1 5 10 15
 Gly Arg Ile Ser Gly Leu Ser Ser Val Ala Trp Asn Pro Asp His Ser
 20 25 30
 Ile Ser Val Phe Xaa Leu Ala Glu Leu Thr Ser Arg Ala Gln Leu Ala
 35 40 45
 Val Gly Val Ser
 50

<210> 1612
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 1612
 Met Phe Arg Arg Leu Ala Ser Val Ala Ser Lys Leu Lys Glu Phe Ile
 1 5 10 15
 Gly Asn Met Ile Thr Thr Ala Gly Lys Val Val Val Thr Ile Leu Leu
 20 25 30
 Gly Ser Ser Gly Met Met Leu Pro Ser Leu Thr Ser Ser Val Tyr Phe
 35 40 45
 Phe Val Phe Leu Gly Leu Cys Thr Trp Trp Ser Trp Cys Arg Thr Phe
 50 55 60
 Asp Pro Leu Leu Phe Ser Cys Leu Cys Val Leu Leu Ala Ile Phe Thr
 65 70 75 80
 Ala Gly His Leu Ile Gly Leu Tyr Leu Tyr Gln Phe Gln Phe Phe Gln
 85 90 95
 Glu Ala Val Pro Pro Asn Asp Tyr Tyr Ala Ser Phe Gly Gln Ser Glu

100	105	110
Glu Phe Phe Tyr Ser Thr Gly Thr Glu Leu Ile Ile Pro		
115	120	125

<210> 1613
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 1613
 Met Ile Thr Thr Ala Gly Lys Val Val Val Thr Ile Leu Leu Gly Ser
 1 5 10 15
 Ser Gly Met Met Leu Pro Ser Leu Thr Ser Ser Val Tyr Phe Phe Val
 20 25 30
 Phe Leu Gly Leu Cys Thr Trp Trp Ser Trp Cys Arg Thr Phe Asp Pro
 35 40 45
 Leu Leu Phe Ser Cys Leu Cys Val Leu Leu Ala Ile Phe Thr Ala Gly
 50 55 60
 His Leu Ile Gly Leu Tyr Leu Tyr Gln Phe Gln Phe Phe Gln Glu Ala
 65 70 75 80
 Val Pro Pro Asn Asp Tyr Tyr Ala Ser Phe Gly Gln Ser Glu Glu Phe
 85 90 95
 Phe Tyr Ser Thr Gly Thr Glu Leu Ile Ile Pro
 100 105

<210> 1614
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 1614
 Met Ala Val Ala Val Leu Leu Cys Gly Cys Ile Val Ala Thr Val Ser
 1 5 10 15
 Phe Phe Trp Glu Glu Ser Leu Thr Gln His Val Ala Gly Leu Leu Phe
 20 25 30
 Leu Met Thr Gly Ile Phe Cys Thr Ile Ser Leu Cys Thr Tyr Ala Ala
 35 40 45
 Ser Ile Ser Tyr Asp Leu Asn Arg Leu Pro Lys Leu Ile Tyr Ser Leu

50		55		60											
Pro	Ala	Asp	Val	Glu	His	Gly	Tyr	Ser	Trp	Ser	Ile	Phe	Cys	Ala	Trp
65					70				75						80
Cys	Ser	Leu	Gly	Phe	Ile	Val	Ala	Ala	Gly	Gly	Leu	Cys	Ile	Ala	Tyr
			85						90					95	
Pro	Phe	Ile	Ser	Arg	Thr	Lys	Ile	Ala	Gln	Leu	Lys	Ser	Gly	Arg	Asp
			100					105					110		
Ser	Thr	Val													
		115													

<210> 1615
 <211> 182
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (88)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (119)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (149)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (151)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (154)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1615

Met	Val	Ile	Tyr	Val	Thr	Leu	Ala	Leu	Trp	Pro	Gln	Ile	Ile	Gln	Lys
1				5					10					15	
Lys	Ala	Asn	Gly	Asn	Cys	Phe	Trp	His	Phe	Gly	Leu	Leu	Leu	Lys	Leu
		20						25					30		
Gly	Phe	Leu	Leu	Leu	Phe	Ile	Cys	Phe	Leu	Ala	Tyr	Ser	Gln	Gly	Ala
		35					40					45			
Phe	Glu	Lys	Ile	Phe	Ser	Leu	Trp	Pro	Leu	Ser	Lys	Cys	Phe	Glu	Leu
	50					55					60				
Lys	Gly	Asn	Val	Tyr	Glu	Trp	Trp	Phe	Arg	Trp	Arg	Leu	Asp	Arg	Tyr
65					70					75					80
Val	Val	Phe	His	Gly	Met	Leu	Xaa	Ala	Phe	Ile	Tyr	Leu	Ala	Leu	Gln
				85					90						95
Lys	Arg	Gln	Ile	Leu	Ser	Glu	Gly	Lys	Gly	Glu	Pro	Leu	Phe	Ser	Asn
		100						105					110		
Lys	Ile	Ser	Asn	Phe	Leu	Xaa	Xaa	Ile	Ser	Val	Val	Ser	Phe	Leu	Thr
		115					120					125			
Tyr	Ser	Ile	Trp	Ala	Ser	Ser	Cys	Lys	Asn	Lys	Ala	Glu	Cys	Asn	Glu
	130					135					140				
Leu	His	Pro	Ser	Xaa	Ser	Xaa	Val	Gln	Xaa	Leu	Ala	Phe	Ile	Leu	Ile
145					150					155					160
Arg	Asn	Ile	Pro	Gly	Tyr	Ala	Arg	Gln	Phe	Thr	Val	His	Phe	Leu	Leu
				165					170					175	
Gly	Leu	Glu	Lys	Phe	His										
			180												

<210> 1616

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1616

Ile Trp Ala Ile Asp Val Phe Ala Phe Cys Leu Ile Phe Phe Tyr Lys
1 5 10 15

Xaa Xaa Val Arg Gly Ile His Leu Phe Ile Cys Cys Thr Asp Leu Ile
20 25 30

Met Ile Leu Met Phe Glu Arg Leu His Leu Phe Ala Phe Thr Ile Cys
35 40 45

Gly Val Lys Tyr Ile Phe Cys Ser Gln Tyr Met Lys Ile Trp Ser Asn
50 55 60

Leu Asn Ser Lys Gln Thr Phe Cys Gly Cys Leu Phe Leu Tyr Trp Gln
65 70 75 80

Ser Ile Asn

<210> 1617

<211> 182

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1617

Met Val Ile Tyr Val Thr Leu Ala Leu Trp Pro Gln Ile Ile Gln Lys
1 5 10 15

Lys Ala Asn Gly Asn Cys Phe Trp His Phe Gly Leu Leu Leu Lys Leu
20 25 30

Gly Phe Leu Leu Leu Phe Ile Cys Phe Leu Ala Tyr Ser Gln Gly Ala
35 40 45

Phe Glu Lys Ile Phe Ser Leu Trp Pro Leu Ser Lys Cys Phe Glu Leu
50 55 60

Lys Gly Asn Val Tyr Glu Trp Trp Phe Arg Trp Arg Leu Asp Arg Tyr
65 70 75 80

Val Val Phe His Gly Met Leu Phe Ala Phe Ile Tyr Leu Ala Leu Gln
85 90 95

Lys Arg Gln Ile Leu Ser Glu Gly Lys Gly Glu Pro Leu Phe Ser Asn
100 105 110

Lys Ile Ser Asn Phe Leu Xaa Xaa Ile Ser Val Val Ser Phe Leu Thr
115 120 125

Tyr Ser Ile Trp Ala Ser Ser Cys Lys Asn Lys Ala Glu Cys Asn Glu
130 135 140

Leu His Pro Ser Xaa Ser Xaa Val Gln Xaa Leu Ala Phe Ile Leu Ile
145 150 155 160

Arg Asn Ile Pro Gly Tyr Ala Arg Gln Phe Thr Val His Phe Leu Leu
165 170 175

Gly Leu Glu Lys Phe His
180

<210> 1618

<211> 95

<212> PRT

<213> Homo sapiens

<400> 1618

Met Arg Ser Gln His Ile Thr Trp Cys Leu Leu Phe Ser Ser Pro Leu
1 5 10 15

Ala Thr Leu Pro Ala Ala Leu Pro Leu Gly Ala Cys Ala Ala Val Phe
20 25 30

Thr Val Ile Gly Ser Glu Lys Gln Ser Glu Cys Ser Leu Leu Arg Glu

35	40	45															
Leu	Gly	His	Met	Leu	Thr	Gln	Lys	Ile	Ala	Tyr	Gln	Ile	Ala	Ser	Gly		
50						55					60						
Leu	Ala	Tyr	Leu	His	Lys	Lys	Asn	Ile	Ile	Phe	Cys	Asp	Leu	Lys	Ser		
65					70					75					80		
Asp	Asn	Ile	Leu	Val	Trp	Ser	Leu	Asp	Val	Lys	Glu	His	Ile	Asn	Ile		
				85					90					95			
Lys	Leu	Ser	Asp	Tyr	Gly	Ile	Ser	Arg	Gln	Ser	Phe	His	Glu	Gly	Ala		
			100					105					110				
Leu	Gly	Val	Glu	Gly	Thr	Pro	Gly	Tyr	Gln	Ala	Pro	Glu	Ile	Arg	Pro		
	115						120					125					
Arg	Ile	Val	Tyr	Asp	Glu	Lys	Val	Asp	Met	Phe	Ser	Tyr	Gly	Met	Val		
130						135					140						
Leu	Tyr	Glu	Leu	Leu	Ser	Gly	Gln	Arg	Pro	Ala	Leu	Gly	His	His	Gln		
145					150					155					160		
Leu	Gln	Ile	Ala	Lys	Lys	Leu	Ser	Lys	Gly	Ile	Arg	Pro	Val	Leu	Gly		
				165					170					175			
Gln	Pro	Glu	Glu	Val	Gln	Phe	Arg	Arg	Leu	Gln	Ala	Leu	Met	Met	Glu		
			180					185					190				
Cys	Trp	Asp	Thr	Lys	Pro	Glu	Lys	Arg	Pro	Leu	Ala	Leu	Ser	Val	Val		
		195					200					205					
Ser	Gln	Met	Lys	Asp	Pro	Thr	Phe	Ala	Thr	Phe	Met	Tyr	Glu	Leu	Cys		
210						215					220						
Cys	Gly	Lys	Gln	Thr	Ala	Phe	Phe	Ser	Ser	Gln	Gly	Gln	Glu	Tyr	Thr		
225					230					235					240		
Val	Val	Phe	Trp	Asp	Gly	Lys	Glu	Glu	Ser	Arg	Asn	Tyr	Thr	Val	Val		
				245					250					255			
Asn	Thr	Glu	Lys	Gly	Leu	Met	Glu	Val	Gln	Arg	Met	Cys	Cys	Pro	Gly		
		260					265					270					
Met	Lys	Val	Ser	Cys	Gln	Leu	Gln	Val	Gln	Arg	Ser	Leu	Trp	Thr	Ala		
		275					280					285					
Thr	Glu	Asp	Gln	Lys	Ile	Tyr	Ile	Tyr	Thr	Leu	Lys	Gly	Met	Cys	Pro		
290					295						300						
Leu	Asn	Thr	Pro	Gln	Gln	Ala	Leu	Asp	Thr	Pro	Ala	Val	Val	Thr	Cys		
305					310					315					320		

Phe Leu Ala Val Pro Val Ile Lys Lys Asn Ser Tyr Leu Val Leu Ala
 325 330 335
 Gly Leu Ala Asp Gly Leu Val Ala Val Phe Pro Val Val Arg Gly Thr
 340 345 350
 Pro Lys Asp Ser Cys Ser Tyr Leu Cys Ser His Thr Ala Asn Arg Ser
 355 360 365
 Lys Phe Ser Ile Ala Asp Glu Asp Ala Arg Gln Asn Pro Tyr Pro Val
 370 375 380
 Lys Ala Met Glu Val Val Asn Ser Gly Ser Glu Val Trp Tyr Ser Asn
 385 390 395 400
 Gly Pro Gly Leu Leu Val Ile Asp Cys Ala Ser Leu Glu Ile Cys Arg
 405 410 415
 Arg Leu Glu Pro Tyr Met Ala Pro Ser Met Val Thr Ser Val Val Cys
 420 425 430
 Ser Ser Glu Gly Arg Gly Glu Glu Val Val Trp Cys Leu Asp Asp Lys
 435 440 445
 Ala Asn Ser Leu Val Met Tyr His Ser Thr Thr Tyr Gln Leu Cys Ala
 450 455 460
 Arg Tyr Phe Cys Gly Val Pro Ser Pro Leu Arg Asp Met Phe Pro Val
 465 470 475 480
 Arg Pro Leu Asp Thr Glu Pro Pro Ala Ala Ser His Thr Ala Asn Pro
 485 490 495
 Lys Val Pro Glu Gly Asp Ser Ile Ala Asp Val Ser Ile Met Tyr Ser
 500 505 510
 Glu Glu Leu Gly Thr Gln Ile Leu Ile His Gln Glu Ser Leu Thr Asp
 515 520 525
 Tyr Cys Ser Met Ser Ser Tyr Ser Ser Ser Pro Pro Arg Gln Ala Ala
 530 535 540
 Arg Ser Pro Ser Ser Leu Pro Ser Ser Pro Ala Ser Ser Ser Ser Val
 545 550 555 560
 Pro Phe Ser Thr Asp Cys Glu Asp Ser Asp Met Leu His Thr Pro Gly
 565 570 575
 Ala Ala Ser Asp Arg Ser Glu His Asp Leu Thr Pro Met Asp Gly Glu
 580 585 590

Thr Phe Ser Gln His Leu Gln Ala Val Lys Ile Leu Ala Val Arg Asp
 595 600 605
 Leu Ile Trp Val Pro Arg Arg Gly Gly Asp Val Ile Val Ile Gly Leu
 610 615 620
 Glu Lys Asp Ser Glu Ala Gln Arg Gly Arg Val Ile Ala Val Leu Lys
 625 630 635 640
 Ala Arg Glu Leu Thr Pro His Gly Val Leu Val Asp Ala Ala Val Val
 645 650 655
 Ala Lys Asp Thr Val Val Cys Thr Phe Glu Asn Glu Asn Thr Glu Trp
 660 665 670
 Cys Leu Ala Val Trp Arg Gly Trp Gly Ala Arg Glu Phe Asp Ile Phe
 675 680 685
 Tyr Gln Ser Tyr Glu Glu Leu Gly Arg Leu Glu Ala Cys Thr Arg Lys
 690 695 700
 Arg Arg
 705

<210> 1621
 <211> 706
 <212> PRT
 <213> Homo sapiens

<400> 1621
 Met Leu His Ala Leu Gln His Pro Cys Ile Val Ala Leu Ile Gly Ile
 1 5 10 15
 Ser Ile His Pro Leu Cys Phe Ala Leu Glu Leu Ala Pro Leu Ser Ser
 20 25 30
 Leu Asn Thr Val Leu Ser Glu Asn Ala Arg Asp Ser Ser Phe Ile Pro
 35 40 45
 Leu Gly His Met Leu Thr Gln Lys Ile Ala Tyr Gln Ile Ala Ser Gly
 50 55 60
 Leu Ala Tyr Leu His Lys Lys Asn Ile Ile Phe Cys Asp Leu Lys Ser
 65 70 75 80
 Asp Asn Ile Leu Val Trp Ser Leu Asp Val Lys Glu His Ile Asn Ile
 85 90 95
 Lys Leu Ser Asp Tyr Gly Ile Ser Arg Gln Ser Phe His Glu Gly Ala
 100 105 110

Leu	Gly	Val	Glu	Gly	Thr	Pro	Gly	Tyr	Gln	Ala	Pro	Glu	Ile	Arg	Pro		
		115					120					125					
Arg	Ile	Val	Tyr	Asp	Glu	Lys	Val	Asp	Met	Phe	Ser	Tyr	Gly	Met	Val		
	130					135					140						
Leu	Tyr	Glu	Leu	Leu	Ser	Gly	Gln	Arg	Pro	Ala	Leu	Gly	His	His	Gln		
145					150					155					160		
Leu	Gln	Ile	Ala	Lys	Lys	Leu	Ser	Lys	Gly	Ile	Arg	Pro	Val	Leu	Gly		
				165					170						175		
Gln	Pro	Glu	Glu	Val	Gln	Phe	Arg	Arg	Leu	Gln	Ala	Leu	Met	Met	Glu		
			180					185					190				
Cys	Trp	Asp	Thr	Lys	Pro	Glu	Lys	Arg	Pro	Leu	Ala	Leu	Ser	Val	Val		
		195					200					205					
Ser	Gln	Met	Lys	Asp	Pro	Thr	Phe	Ala	Thr	Phe	Met	Tyr	Glu	Leu	Cys		
	210					215					220						
Cys	Gly	Lys	Gln	Thr	Ala	Phe	Phe	Ser	Ser	Gln	Gly	Gln	Glu	Tyr	Thr		
225					230					235					240		
Val	Val	Phe	Trp	Asp	Gly	Lys	Glu	Glu	Ser	Arg	Asn	Tyr	Thr	Val	Val		
				245					250					255			
Asn	Thr	Glu	Lys	Gly	Leu	Met	Glu	Val	Gln	Arg	Met	Cys	Cys	Pro	Gly		
			260					265					270				
Met	Lys	Val	Ser	Cys	Gln	Leu	Gln	Val	Gln	Arg	Ser	Leu	Trp	Thr	Ala		
		275					280					285					
Thr	Glu	Asp	Gln	Lys	Ile	Tyr	Ile	Tyr	Thr	Leu	Lys	Gly	Met	Cys	Pro		
	290					295					300						
Leu	Asn	Thr	Pro	Gln	Gln	Ala	Leu	Asp	Thr	Pro	Ala	Val	Val	Thr	Cys		
305					310					315					320		
Phe	Leu	Ala	Val	Pro	Val	Ile	Lys	Lys	Asn	Ser	Tyr	Leu	Val	Leu	Ala		
				325					330					335			
Gly	Leu	Ala	Asp	Gly	Leu	Val	Ala	Val	Phe	Pro	Val	Val	Arg	Gly	Thr		
			340					345					350				
Pro	Lys	Asp	Ser	Cys	Ser	Tyr	Leu	Cys	Ser	His	Thr	Ala	Asn	Arg	Ser		
		355					360					365					
Lys	Phe	Ser	Ile	Ala	Asp	Glu	Asp	Ala	Arg	Gln	Asn	Pro	Tyr	Pro	Val		
	370					375					380						

Lys Ala Met Glu Val Val Asn Ser Gly Ser Glu Val Trp Tyr Ser Asn
 385 390 395 400
 Gly Pro Gly Leu Leu Val Ile Asp Cys Ala Ser Leu Glu Ile Cys Arg
 405 410 415
 Arg Leu Glu Pro Tyr Met Ala Pro Ser Met Val Thr Ser Val Val Cys
 420 425 430
 Ser Ser Glu Gly Arg Gly Glu Glu Val Val Trp Cys Leu Asp Asp Lys
 435 440 445
 Ala Asn Ser Leu Val Met Tyr His Ser Thr Thr Tyr Gln Leu Cys Ala
 450 455 460
 Arg Tyr Phe Cys Gly Val Pro Ser Pro Leu Arg Asp Met Phe Pro Val
 465 470 475 480
 Arg Pro Leu Asp Thr Glu Pro Pro Ala Ala Ser His Thr Ala Asn Pro
 485 490 495
 Lys Val Pro Glu Gly Asp Ser Ile Ala Asp Val Ser Ile Met Tyr Ser
 500 505 510
 Glu Glu Leu Gly Thr Gln Ile Leu Ile His Gln Glu Ser Leu Thr Asp
 515 520 525
 Tyr Cys Ser Met Ser Ser Tyr Ser Ser Ser Pro Pro Arg Gln Ala Ala
 530 535 540
 Arg Ser Pro Ser Ser Leu Pro Ser Ser Pro Ala Ser Ser Ser Ser Val
 545 550 555 560
 Pro Phe Ser Thr Asp Cys Glu Asp Ser Asp Met Leu His Thr Pro Gly
 565 570 575
 Ala Ala Ser Asp Arg Ser Glu His Asp Leu Thr Pro Met Asp Gly Glu
 580 585 590
 Thr Phe Ser Gln His Leu Gln Ala Val Lys Ile Leu Ala Val Arg Asp
 595 600 605
 Leu Ile Trp Val Pro Arg Arg Gly Gly Asp Val Ile Val Ile Gly Leu
 610 615 620
 Glu Lys Asp Ser Gly Ala Gln Arg Gly Arg Val Ile Ala Val Leu Lys
 625 630 635 640
 Ala Arg Glu Leu Thr Pro His Gly Val Leu Val Asp Ala Ala Val Val
 645 650 655
 Ala Lys Asp Thr Val Val Cys Thr Phe Glu Asn Glu Asn Thr Glu Trp

660					665					670					
Cys	Leu	Ala	Val	Trp	Arg	Gly	Trp	Gly	Ala	Arg	Glu	Phe	Asp	Ile	Phe
675					680					685					
Tyr	Gln	Ser	Tyr	Glu	Glu	Leu	Gly	Arg	Leu	Glu	Ala	Cys	Thr	Arg	Lys
690					695					700					
Arg Arg															
705															

<210> 1622
 <211> 196
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (175)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (177)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (181)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (185)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (188)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (189)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (193)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1622

Met Ser Leu Leu Val Asp Gly Asp Met Asn Leu Ser Ile Ile Met Thr
1 5 10 15

Ile Ser Ser Thr Leu Leu Ala Leu Val Leu Met Pro Leu Cys Leu Trp
20 25 30

Ile Tyr Ser Trp Ala Trp Ile Asn Thr Pro Ile Val Gln Leu Leu Pro
35 40 45

Leu Gly Thr Val Thr Leu Thr Leu Cys Ser Thr Leu Ile Pro Ile Gly
50 55 60

Leu Gly Val Phe Ile Arg Tyr Lys Tyr Ser Arg Val Ala Asp Tyr Ile
65 70 75 80

Val Lys Val Ser Leu Trp Ser Leu Leu Val Thr Leu Val Val Leu Phe
85 90 95

Ile Met Thr Gly Thr Met Leu Gly Pro Glu Leu Leu Ala Ser Ile Pro
100 105 110

Ala Ala Val Tyr Val Ile Ala Ile Phe Met Pro Leu Ala Gly Tyr Ala
115 120 125

Ser Gly Tyr Gly Leu Ala Thr Leu Phe His Leu Pro Pro Asn Cys Lys
130 135 140

Arg Thr Val Cys Leu Glu Thr Gly Ser Gln Asn Val Gln Leu Cys Thr
145 150 155 160

Ala Ile Leu Lys Leu Ala Phe His Arg Ile Xaa Arg Lys His Xaa His
165 170 175

Xaa Ser Phe Ala Xaa Cys Thr Phe Xaa Val Cys Xaa Xaa Gly Asp Phe
180 185 190

Xaa Phe Asn Leu
195

<210> 1623

<211> 69

<212> PRT

<213> Homo sapiens

<400> 1623

Met Asp Phe Asn Leu Gly Leu Pro Gly Ala Gly Pro Pro Arg Leu Leu
1 5 10 15

Arg Leu Gly Leu Cys Val Leu Ala Leu Ala Cys Phe Arg Cys Leu Thr
20 25 30

Gly Leu Phe Leu Phe Met Ala Trp Leu His Ser Asp Leu Gly Trp Gly
35 40 45

His Ile Gln Pro Thr Ala His Trp Leu Ser Val Trp Pro Ala Pro Arg
50 55 60

Phe Gln Pro Gln Trp
65

<210> 1624

<211> 199

<212> PRT

<213> Homo sapiens

<400> 1624

Phe Ser Gly Val Cys Phe Ala Gly Ile Ala Gly Ser Met Ala Thr Leu
1 5 10 15

Leu His Asp Ala Val Met Asn Pro Ala Glu Val Val Lys Gln Arg Leu
20 25 30

Gln Met Tyr Asn Ser Gln His Arg Ser Ala Ile Ser Cys Ile Arg Thr
35 40 45

Val Trp Arg Thr Glu Gly Leu Gly Ala Phe Tyr Arg Ser Tyr Thr Thr
50 55 60

Gln Leu Thr Met Asn Ile Pro Phe Gln Ser Ile His Phe Ile Thr Tyr
65 70 75 80

Glu Phe Leu Gln Glu Gln Val Asn Pro His Arg Thr Tyr Asn Pro Gln
85 90 95

Ser His Ile Ile Ser Gly Gly Leu Ala Gly Ala Leu Ala Ala Ala Ala
100 105 110

Thr Thr Pro Leu Asp Val Cys Lys Thr Leu Leu Asn Thr Gln Glu Asn
115 120 125

Val Ala Leu Ser Leu Ala Asn Ile Ser Gly Arg Leu Ser Gly Met Ala
130 135 140

Asn Ala Phe Arg Thr Val Tyr Gln Leu Asn Gly Leu Ala Gly Tyr Phe
 145 150 155 160
 Lys Gly Ile Gln Ala Arg Val Ile Tyr Gln Met Pro Ser Thr Ala Ile
 165 170 175
 Ser Trp Ser Val Tyr Glu Phe Phe Lys Tyr Phe Leu Thr Lys Arg Gln
 180 185 190
 Leu Glu Asn Arg Ala Pro Tyr
 195

<210> 1625
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 1625
 Met Asp Phe Asn Leu Gly Leu Pro Gly Ala Gly Pro Pro Arg Leu Leu
 1 5 10 15
 Arg Leu Gly Leu Cys Val Leu Ala Leu Ala Cys Phe Arg Cys Leu Thr
 20 25 30
 Gly Leu Phe Leu Phe Met Ala Trp Leu His Ser Asp Leu Gly Trp Gly
 35 40 45
 His Ile Gln Pro Thr Ala His Trp Leu Ser Val Trp Pro Ala Pro Arg
 50 55 60
 Phe Gln Pro Gln Trp
 65

<210> 1626
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1626
 Met Ala Arg Val Leu Gln Leu Glu Pro Gln Thr Ser Ala Cys Leu Leu
 1 5 10 15
 Ser Leu Leu Cys Pro Ala Leu Gln Glu Pro Gly Pro Ala Ser Gly Thr

	20		25		30										
Glu	Ser	Ala	His	Phe	Leu	Arg	Ala	His	Ser	Arg	Cys	Gly	Pro	Gly	Leu
	35						40					45			
Pro	Pro	Pro	His	Val	Ser	Ser	Pro	Gln	Pro	Thr	Pro	Pro	Gly	Pro	Glu
	50					55					60				
Ala	Lys	Val	Arg	Gly	Cys	Met	Gly	Ala	Arg	Trp	Trp	Leu	Gly	Arg	Ala
65					70					75					80
Pro	Gly	Val	Xaa	Gly	Val	Phe	Arg	Asp	Thr	Thr					
				85					90						

<210> 1627
 <211> 137
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1627															
Ala	His	Cys	His	Ile	Ser	Arg	Ser	His	Cys	Pro	Thr	Leu	Arg	Xaa	Lys
1				5					10					15	
Asp	Thr	Cys	Gly	Gly	Trp	Glu	Pro	Thr	Ser	Ala	Leu	Gly	Ser	Ser	Thr
			20					25					30		
Leu	Ser	His	Val	Pro	His	Xaa	Leu	Leu	Glu	Arg	Arg	Asp	Leu	Trp	Arg
		35					40					45			
Arg	Glu	Ala	Glu	Ala	Arg	Lys	Gln	Ser	Gln	Pro	Asp	Pro	Ala	Met	Pro
	50					55					60				
Pro	Gly	His	Thr	Arg	Met	Pro	Glu	Asn	Gln	Arg	Leu	Glu	Thr	Leu	Thr
65					70					75				80	
Lys	Leu	Leu	Gln	Ser	Gln	Ser	Gln	Leu	Leu	Arg	Glu	Leu	Val	Leu	Leu
				85					90					95	
Pro	Ala	Gly	Ala	Asp	Ser	Leu	Arg	Ala	Gln	Ser	His	Arg	Ala	Glu	Leu
			100					105					110		

Asp Arg Lys Leu Val Gln Val Glu Glu Ala Ile Lys Ile Phe Ser Arg
115 120 125

Pro Lys Val Phe Val Lys Met Asp Asp
130 135

<210> 1628

<211> 95

<212> PRT

<213> Homo sapiens

<400> 1628

Met Ala Trp Ala Pro Ala Cys Val Gln Ala Gln Gly Leu Ser Cys Leu
1 5 10 15

Cys Leu Phe Pro Asp Pro Ser Ser Cys Arg Glu Trp Cys Cys Pro Leu
20 25 30

Gly Met Tyr Leu Gln Val Glu Thr Arg Thr Ser Ser Arg Leu His Leu
35 40 45

Lys Arg Ala Pro Gly Ile Arg Ser Trp Ser Leu Leu Val Gly Lys Ala
50 55 60

Leu His Val Pro Pro Gln Asn Pro Arg Thr Gly Ser Leu Thr Phe Lys
65 70 75 80

Lys Asp Glu Asn Glu Thr Lys Tyr Phe Leu Phe Phe Leu Leu Pro
85 90 95

<210> 1629

<211> 189

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1629

Val Gln Leu Ser Val Pro Ala Gly Met Leu His Ser Leu Cys Val Gln

1	5	10	15
Leu Phe Ile Thr Ala Gly Ser Leu Cys Ala Thr His Ser Gln Cys Leu	20	25	30
Ser Lys Ala Asp Gly Ala Arg Pro Ser Ile Leu Tyr Leu Thr Cys Pro	35	40	45
Leu His Ser Pro Ile Lys Asn Gly Pro Gln Ile Arg Val Glu Glu Ala	50	55	60
Asp Val Ser Ser Ser Glu Thr Ala Leu Pro Arg Ser Arg Arg Asp Gly	65	70	75
Xaa Ala Lys Pro Gly Cys Glu Thr Gly Cys Cys Met Trp Leu Gln Ala	85	90	95
Leu Asn Ile Val Thr Trp Arg Leu Pro Gln His Ile Val Arg Ser Lys	100	105	110
Pro Gln Glu Pro Glu Gln Gln Asn Ser Cys His Pro Gln Lys Pro Ala	115	120	125
Pro Gly Thr Ala Val Gln Ile Gly Arg Arg Ser Ser Gln Gln Trp Leu	130	135	140
Leu Arg Thr Pro Leu Thr Gln Gln Arg Ser Pro Asp Ala Cys Arg Ser	145	150	155
Pro Glu Xaa Ala Leu Ser Ala Leu Asp Met Ala Gly Asp Thr Gln Val	165	170	175
Trp Pro Ser Gln Ser Leu Phe Ala Lys Leu Lys Val Lys	180	185	

<210> 1630

<211> 95

<212> PRT

<213> Homo sapiens

<400> 1630

Met Ala Trp Ala Pro Ala Cys Val Gln Ala Gln Gly Leu Ser Cys Leu	1	5	10	15
Cys Leu Phe Pro Asp Pro Ser Ser Cys Arg Glu Trp Cys Cys Pro Leu	20	25	30	
Gly Met Tyr Leu Gln Val Glu Thr Arg Thr Ser Ser Arg Leu His Leu	35	40	45	

Lys Arg Ala Pro Gly Ile Arg Ser Trp Ser Leu Leu Val Gly Lys Ala
50 55 60

Leu His Val Pro Pro Gln Asn Pro Arg Thr Gly Ser Leu Thr Phe Lys
65 70 75 80

Lys Asp Glu Asn Glu Thr Lys Tyr Phe Leu Phe Phe Leu Leu Pro
85 90 95

<210> 1631
<211> 303
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (224)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (245)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (250)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (252)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (255)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (256)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (257)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (287)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (301)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1631
 Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu Leu
 1 5 10 15

 Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala
 20 25 30

 Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala
 35 40 45

 Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
 50 55 60

 Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
 65 70 75 80

 Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly
 85 90 95

 Arg Leu Arg Asp Val Ala Ala Leu Asn Gly Leu Tyr Arg Val Arg Ile
 100 105 110

 Pro Arg Arg Pro Gly Ala Leu Asp Gly Leu Glu Ala Gly Gly Tyr Val
 115 120 125

 Ser Ser Phe Val Pro Ala Cys Ser Leu Val Glu Ser His Leu Ser Asp
 130 135 140

 Gln Leu Thr Leu His Val Asp Val Ala Gly Asn Val Val Gly Val Ser
 145 150 155 160

 Val Val Thr His Pro Gly Gly Cys Arg Gly His Glu Val Glu Asp Val
 165 170 175

 Asp Leu Glu Leu Phe Asn Thr Ser Val Gln Leu Gln Pro Pro Thr Thr
 180 185 190

 Ala Pro Gly Pro Glu Thr Ala Ala Phe Ile Glu Arg Leu Glu Met Glu
 195 200 205

 Gln Ala Gln Lys Ala Lys Asn Pro Gln Glu Gln Lys Ser Phe Phe Xaa
 210 215 220

Lys	Tyr	Trp	Met	Tyr	Ile	Ile	Pro	Val	Val	Leu	Phe	Leu	Met	Met	Ser
225					230					235					240
Gly	Ala	Pro	Asp	Xaa	Gly	Gly	Gln	Gly	Xaa	Gly	Xaa	Gly	Gly	Xaa	Xaa
				245					250					255	
Xaa	Gly	Val	Val	Ala	Gly	Glu	Gly	Pro	Ser	Leu	Ser	Ala	Phe	Pro	Ser
			260					265					270		
Cys	Lys	Thr	Gln	Gly	Gly	Phe	Pro	Phe	Cys	Leu	Glu	Phe	Pro	Xaa	Cys
		275					280					285			
Ser	Ser	Ser	Pro	Ser	Pro	Lys	Lys	Gly	Phe	Cys	Leu	Xaa	Pro	Leu	
	290					295						300			

<210> 1632
 <211> 173
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (118)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (141)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (164)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (170)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (172)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1632

Met	Ala	Ala	Ala	Ser	Ala	Gly	Ala	Thr	Arg	Leu	Leu	Leu	Leu	Leu	Leu
1				5					10					15	
Met	Ala	Val	Ala	Ala	Pro	Ser	Arg	Ala	Arg	Gly	Ser	Gly	Cys	Arg	Ala
			20					25					30		
Gly	Thr	Gly	Ala	Arg	Gly	Ala	Gly	Ala	Glu	Gly	Arg	Glu	Gly	Glu	Ala
		35					40					45			
Cys	Gly	Thr	Val	Gly	Leu	Leu	Leu	Glu	His	Ser	Phe	Glu	Ile	Asp	Asp
	50					55					60				
Ser	Ala	Asn	Phe	Arg	Lys	Arg	Gly	Ser	Leu	Leu	Trp	Asn	Gln	Gln	Asp
	65				70					75					80
Gly	Thr	Leu	Ser	Leu	Ser	Gln	Arg	Gln	Leu	Ser	Glu	Glu	Glu	Arg	Gly
				85					90					95	
Arg	Leu	Xaa	Asp	Val	Ala	Ala	Leu	Asn	Gly	Leu	Tyr	Arg	Val	Arg	Ile
			100					105					110		
Pro	Arg	Arg	Pro	Gly	Xaa	Leu	Asp	Gly	Leu	Glu	Ala	Gly	Gly	Tyr	Val
		115					120					125			
Ser	Ser	Phe	Val	Pro	Ala	Cys	Ser	Leu	Val	Glu	Ser	Xaa	Leu	Ser	Asp
	130					135					140				
Gln	Leu	Thr	Leu	His	Val	Asp	Val	Ala	Gly	Asn	Val	Val	Gly	Arg	Val
145					150					155					160
Gly	Gly	Asp	Xaa	Pro	Trp	Gly	Cys	Arg	Xaa	His	Xaa	Xaa			
				165					170						

<210> 1633
 <211> 158
 <212> PRT
 <213> Homo sapiens

<400> 1633

Met	Ala	Ala	Ala	Ser	Ala	Gly	Ala	Thr	Arg	Leu	Leu	Leu	Leu	Leu	Leu
1				5					10					15	
Met	Ala	Val	Ala	Ala	Pro	Ser	Arg	Ala	Arg	Gly	Ser	Gly	Cys	Arg	Ala
			20					25					30		

Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala
 35 40 45
 Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
 50 55 60
 Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
 65 70 75 80
 Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly
 85 90 95
 Arg Leu Arg Asp Val Ala Ala Ser Tyr Leu Asp Cys Gly Ala Thr Arg
 100 105 110
 Ala Cys Gly Pro Leu Leu Cys Ala Thr Leu Pro Val Ser Leu Phe Lys
 115 120 125
 Asn Ile Asp Asp Thr Leu Lys Cys Val Asn Val Leu Lys Ser Tyr Ser
 130 135 140
 Phe Gln Gln Pro Lys Ala Thr Val Val Leu Ala Arg Arg Ser
 145 150 155

<210> 1634

<211> 158

<212> PRT

<213> Homo sapiens

<400> 1634

Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu Leu
 1 5 10 15
 Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala
 20 25 30
 Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala
 35 40 45
 Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
 50 55 60
 Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
 65 70 75 80
 Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly
 85 90 95
 Arg Leu Arg Asp Val Ala Ala Ser Tyr Leu Asp Cys Gly Ala Thr Arg

100	105	110
Ala Cys Gly Pro Leu Leu Cys	Ala Thr Leu Pro Val Ser	Leu Phe Lys
115	120	125
Asn Ile Asp Asp Thr Leu Lys	Cys Val Asn Val Leu Lys	Ser Tyr Ser
130	135	140
Phe Gln Gln Pro Lys Ala Thr	Val Val Leu Ala Arg Arg	Ser
145	150	155

<210> 1635
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 1635

Met Arg Ser Arg Lys Ile Pro Gln Gln Ser Arg Phe Phe Thr Pro Leu
1 5 10 15
Phe Phe Leu Asn Leu Pro Ile Leu Val Val Pro Leu Pro Ser Thr Asp
20 25 30
Thr Ser Cys Ser Asp Phe Gln Tyr Gln Val Phe Lys Thr Ser Tyr Pro
35 40 45
Pro Ser Ser Val Pro Pro Ser Leu Gln Ser His Lys His Trp Cys Ser
50 55 60
Gln Ile Lys Ile Ser Pro Lys Gln Cys Gln Arg Asp Pro Leu Ser Ser
65 70 75 80
Phe Gln Ala Arg Asp Met Phe Ser Phe Gln Val Leu Glu Lys Thr Gly
85 90 95
Ser Met Phe Thr Trp Asn Phe Ser Arg Gly Gly Ala Ile Ser Phe Cys
100 105 110
Ile Lys Leu
115

<210> 1636
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 1636

Met Arg Ser Arg Lys Ile Pro Gln Gln Ser Arg Phe Phe Thr Pro Leu

1	5	10	15
Phe Phe Leu Asn Leu Pro Ile Leu Val Val Pro Leu Pro Ser Thr Asp	20	25	30
Thr Ser Cys Ser Asp Phe Gln Tyr Gln Val Phe Lys Thr Ser Tyr Pro	35	40	45
Pro Ser Ser Val Pro Pro Ser Leu Gln Ser His Lys His Trp Cys Ser	50	55	60
Gln Ile Lys Ile Ser Pro Lys Gln Cys Gln Arg Asp Pro Leu Ser Ser	65	70	75
Phe Gln Ala Arg Asp Met Phe Ser Phe Gln Val Leu Glu Lys Thr Gly	85	90	95
Ser Met Phe Thr Trp Asn Phe Ser Arg Gly Gly Ala Ile Ser Phe Cys	100	105	110
Ile Lys Leu	115		

<210> 1637
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1637
Met Ala Leu Gly Ser Met Tyr Leu Val Leu Thr Leu Ile Val Ala Lys
1 5 10 15
Val Leu Arg Gly Ala Glu Pro Cys Cys Gly Pro Leu Lys Asn Arg Val
20 25 30
Leu Arg Pro Cys Pro Leu Pro Val His Cys Pro Leu Pro Ile Pro Ser
35 40 45
Pro Ala Glu Gly Ile Pro Trp Val Ala Tyr Leu Pro Ile Arg Trp Phe
50 55 60
Ile Ser Cys Cys Pro Gly His Cys Ile Gln Ile Pro Met Cys Thr Ser
65 70 75 80

<210> 1638

<211> 80
<212> PRT
<213> Homo sapiens

<400> 1638

Met	Ala	Leu	Gly	Ser	Met	Tyr	Leu	Val	Leu	Thr	Leu	Ile	Val	Ala	Lys
1				5					10					15	
Val	Leu	Arg	Gly	Ala	Glu	Pro	Cys	Cys	Gly	Pro	Leu	Lys	Asn	Arg	Val
			20					25					30		
Leu	Arg	Pro	Cys	Pro	Leu	Pro	Val	His	Cys	Pro	Leu	Pro	Ile	Pro	Ser
		35					40					45			
Pro	Ala	Glu	Gly	Ile	Pro	Trp	Val	Ala	Tyr	Leu	Pro	Ile	Arg	Trp	Phe
	50					55					60				
Ile	Ser	Cys	Cys	Pro	Gly	His	Cys	Ile	Gln	Ile	Pro	Met	Cys	Thr	Ser
65					70					75					80

<210> 1639
<211> 81
<212> PRT
<213> Homo sapiens

<400> 1639

Met	Arg	Thr	Asn	Gln	Ser	Leu	Cys	Ser	Phe	Leu	Leu	Trp	Ser	Val	Pro
1				5					10					15	
Phe	His	Gln	Ala	Ala	Cys	Pro	Gln	Ala	Lys	Asp	His	Pro	Leu	Glu	Pro
			20					25					30		
Ser	Met	His	Pro	Glu	Gly	Thr	Gln	Leu	Gln	Ser	Cys	Ser	Thr	Met	Leu
		35					40					45			
Gly	Pro	Arg	Gln	Leu	Ser	Ser	Glu	Lys	Gln	Pro	Leu	Leu	Pro	Pro	Arg
	50					55					60				
Ser	His	Leu	Lys	Ser	Ser	Pro	Met	Leu	Arg	Ala	Cys	Lys	Gly	Leu	Thr
65					70					75					80

Ser

<210> 1640

<211> 81
<212> PRT
<213> Homo sapiens

<400> 1640

Met Arg Thr Asn Gln Ser Leu Cys Ser Phe Leu Leu Trp Ser Val Pro
1 5 10 15

Phe His Gln Ala Ala Cys Pro Gln Ala Lys Asp His Pro Leu Glu Pro
20 25 30

Ser Met His Pro Glu Gly Thr Gln Leu Gln Ser Cys Ser Thr Met Leu
35 40 45

Gly Pro Arg Gln Leu Ser Ser Glu Lys Gln Pro Leu Leu Pro Pro Arg
50 55 60

Ser His Leu Lys Ser Ser Pro Met Leu Arg Ala Cys Lys Gly Leu Thr
65 70 75 80

Ser

<210> 1641
<211> 53
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1641

Met Val Phe Leu Ser His Leu Phe Gly Thr Lys Arg Leu Phe Leu Leu
1 5 10 15

Leu Ala Leu Ile Trp Ala Ser Trp His Phe Ser Tyr Met Pro Ala Asp
20 25 30

Ala Trp Val Asp Pro Gly Ile Pro Asp Arg Tyr Leu Gln Ala Tyr Leu
35 40 45

Ser Ile Val Xaa Pro
50

<210> 1642
<211> 61

<212> PRT
<213> Homo sapiens

<400> 1642

Met	His	Val	Val	His	Trp	Ser	Arg	Leu	Phe	Leu	Leu	Lys	Pro	Pro	Tyr
1				5					10					15	
Ser	Val	His	Ala	Thr	Phe	Ile	Pro	Thr	Gly	Phe	Leu	Ala	Arg	Phe	Arg
			20					25					30		
Thr	Pro	Gly	Ile	Leu	Asp	Ser	Cys	Phe	Phe	His	Ser	Trp	Pro	Leu	Leu
		35					40					45			
Leu	Ser	Tyr	Phe	Leu	Ser	Pro	Gln	Ser	Pro	Leu	Leu	Lys			
	50					55					60				

<210> 1643

<211> 86

<212> PRT

<213> Homo sapiens

<400> 1643

Met	Leu	Thr	Ala	Val	Lys	Met	Phe	Arg	Leu	Ser	Ala	Val	Thr	Leu	Cys
1				5					10					15	
Ala	Phe	Ser	Leu	Thr	Leu	His	Ser	Gly	Val	Gln	Leu	Cys	Glu	Gln	Leu
			20					25					30		
Val	Leu	Arg	Ile	Ala	Leu	Phe	Gln	Asn	Cys	Arg	Ala	Glu	Asp	Gly	Phe
		35					40					45			
Gly	Leu	Arg	Val	Cys	Trp	Arg	Arg	Leu	Met	Arg	Ser	Phe	Cys	Arg	Ser
	50					55					60				
Ala	Lys	Phe	Trp	Gly	Ser	Asn	Asp	Leu	Arg	Thr	Trp	Gly	Ser	Arg	Phe
65					70					75					80
Leu	Trp	Lys	Asp	Cys	Thr										
				85											

<210> 1644

<211> 86

<212> PRT

<213> Homo sapiens

<400> 1644

Met	Leu	Thr	Ala	Val	Lys	Met	Phe	Arg	Leu	Ser	Ala	Val	Thr	Leu	Cys
1				5					10					15	

Ala Phe Ser Leu Thr Leu His Ser Gly Val Gln Leu Cys Glu Gln Leu
20 25 30
Val Leu Arg Ile Ala Leu Phe Gln Asn Cys Arg Ala Glu Asp Gly Phe
35 40 45
Gly Leu Arg Val Cys Trp Arg Arg Leu Met Arg Ser Phe Cys Arg Ser
50 55 60
Ala Lys Phe Trp Gly Ser Asn Asp Leu Arg Thr Trp Gly Ser Arg Phe
65 70 75 80
Leu Trp Lys Asp Cys Thr
85

<210> 1645
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1645
Met Gly Leu Leu Ala Phe Leu Lys Thr Gln Phe Val Leu His Leu Leu
1 5 10 15
Val Gly Phe Val Phe Val Val Ser Gly Leu Val Ile Asn Phe Val Gln
20 25 30
Leu Cys Thr Leu Ala Leu Trp Pro Val Ser Lys Gln Leu Tyr Arg Arg
35 40 45
Leu Asn Cys Arg Leu Ala Tyr Ser Leu Trp Ser Gln Leu Val Met Leu
50 55 60
Leu Glu Trp Trp Ser Cys Thr Glu Cys Thr Leu Phe Thr Asp Gln Ala
65 70 75 80
Thr Val Glu Arg Phe Gly Lys Glu His Ala Ile Ile Ile Leu Asn His
85 90 95
Asn Phe Glu Ile Asp Phe Leu Cys Gly Trp Thr Met Cys Glu Arg Phe
100 105 110
Gly Met Leu Xaa Ser Ser Lys Gly Pro Arg
115 120

<210> 1646

<211> 121

<212> PRT

<213> Homo sapiens

<400> 1646

Gly Asp Phe Leu Trp Lys Thr Ser Arg Val Asp Glu Lys Glu Ala Ala
1 5 10 15

Gln Trp Leu His Lys Leu Tyr Gln Glu Lys Asp Ala Leu Gln Glu Ile
20 25 30

Tyr Asn Gln Lys Gly Met Phe Pro Gly Glu Gln Phe Lys Pro Ala Arg
35 40 45

Arg Pro Trp Thr Leu Leu Asn Phe Leu Ser Trp Ala Thr Ile Leu Leu
50 55 60

Ser Pro Leu Phe Ser Phe Val Leu Gly Val Phe Ala Ser Gly Ser Pro
65 70 75 80

Leu Leu Ile Leu Thr Phe Leu Gly Phe Val Gly Ala Ala Ser Phe Gly
85 90 95

Val Arg Arg Leu Ile Gly Val Thr Glu Ile Glu Lys Gly Ser Ser Tyr
100 105 110

Gly Asn Gln Glu Phe Lys Lys Lys Glu
115 120

<210> 1647

<211> 376

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1647

Met Gly Leu Leu Ala Phe Leu Lys Thr Gln Phe Val Leu His Leu Leu
1 5 10 15

Val Gly Phe Val Phe Val Val Ser Gly Leu Val Ile Asn Xaa Val Gln
20 25 30

Leu Cys Thr Leu Ala Leu Trp Pro Val Ser Lys Gln Leu Tyr Arg Arg
 35 40 45
 Leu Asn Cys Arg Leu Ala Tyr Ser Leu Trp Ser Gln Leu Val Met Leu
 50 55 60
 Leu Glu Trp Trp Ser Cys Thr Glu Cys Thr Leu Phe Thr Asp Gln Ala
 65 70 75 80
 Thr Val Glu Arg Phe Gly Lys Glu His Ala Val Ile Ile Leu Asn His
 85 90 95
 Asn Phe Glu Ile Asp Phe Leu Cys Gly Trp Thr Met Cys Glu Arg Phe
 100 105 110
 Gly Val Leu Gly Ser Ser Lys Val Leu Ala Lys Lys Glu Leu Leu Tyr
 115 120 125
 Val Pro Leu Ile Gly Trp Thr Trp Tyr Phe Leu Glu Ile Val Phe Cys
 130 135 140
 Lys Arg Lys Trp Glu Glu Asp Arg Asp Thr Val Val Glu Gly Leu Arg
 145 150 155 160
 Arg Leu Ser Asp Tyr Pro Glu Tyr Met Trp Phe Leu Leu Tyr Cys Glu
 165 170 175
 Gly Thr Arg Phe Thr Glu Thr Lys His Arg Val Ser Met Glu Val Ala
 180 185 190
 Ala Ala Lys Gly Leu Pro Val Leu Lys Tyr His Leu Leu Pro Arg Thr
 195 200 205
 Lys Gly Phe Thr Thr Ala Val Lys Cys Leu Arg Gly Thr Val Ala Ala
 210 215 220
 Val Tyr Asp Val Thr Leu Asn Phe Arg Gly Asn Lys Asn Pro Ser Leu
 225 230 235 240
 Leu Gly Ile Leu Tyr Gly Lys Lys Tyr Glu Ala Asp Met Cys Val Arg
 245 250 255
 Arg Phe Pro Leu Glu Asp Ile Pro Leu Asp Glu Lys Glu Ala Ala Gln
 260 265 270
 Trp Leu His Lys Leu Tyr Gln Glu Lys Asp Ala Leu Gln Glu Ile Tyr
 275 280 285
 Asn Gln Lys Gly Met Phe Pro Gly Glu Gln Phe Lys Pro Ala Arg Arg
 290 295 300
 Pro Trp Thr Leu Leu Asn Phe Leu Ser Trp Ala Thr Ile Leu Leu Ser

305		310		315		320									
Pro	Leu	Phe	Ser	Phe	Val	Leu	Gly	Val	Phe	Ala	Ser	Gly	Ser	Pro	Leu
				325					330					335	
Leu	Ile	Leu	Thr	Phe	Leu	Gly	Phe	Val	Gly	Ala	Ala	Ser	Phe	Gly	Val
			340					345					350		
Arg	Arg	Leu	Ile	Gly	Val	Thr	Glu	Ile	Glu	Lys	Gly	Ser	Ser	Tyr	Gly
		355					360					365			
Asn	Gln	Glu	Phe	Lys	Lys	Lys	Glu								
	370					375									

<210> 1648
 <211> 164
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (76)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (146)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1648
 Met Arg Thr Leu Val Glu Leu Gly Pro Trp Ala Gly Asp Phe Gly Pro
 1 5 10 15
 Asp Leu Leu Leu Thr Leu Leu Phe Leu Leu Phe Leu Ala His Gly Val
 20 25 30
 Thr Leu Asp Gly Ala Ser Ala Asn Pro Thr Val Ser Leu Gln Glu Phe
 35 40 45
 Leu Met Ala Glu Gln Ser Leu Pro Gly Thr Leu Leu Lys Leu Ala Ala
 50 55 60
 Gln Gly Leu Gly Met Gln Ala Ala Cys Thr Leu Xaa Arg Leu Cys Trp
 65 70 75 80

Ala Trp Glu Leu Ser Asp Leu His Leu Leu Gln Ser Leu Met Ala Gln
85 90 95

Ser Cys Ser Ser Ala Leu Arg Thr Ser Val Pro His Gly Ala Leu Xaa
100 105 110

Glu Ala Ala Cys Thr Phe Cys Phe His Leu Thr Leu Leu His Leu Arg
115 120 125

His Ser Pro Pro Ala Tyr Ser Gly Pro Ala Val Ala Leu Leu Val Thr
130 135 140

Val Xaa Ala Tyr Thr Ala Gly Pro Tyr Val Cys Phe Phe Asn Pro Ala
145 150 155 160

Leu Ala Ala Leu

<210> 1649
<211> 186
<212> PRT
<213> Homo sapiens

<400> 1649
Met Arg Thr Leu Val Glu Leu Gly Pro Trp Ala Gly Asp Phe Gly Pro
1 5 10 15

Asp Leu Leu Leu Thr Leu Leu Phe Leu Leu Phe Leu Ala His Gly Val
20 25 30

Thr Leu Asp Gly Ala Ser Ala Asn Pro Thr Val Ser Leu Gln Glu Phe
35 40 45

Leu Met Ala Glu Gln Ser Leu Pro Gly Thr Leu Leu Lys Leu Ala Ala
50 55 60

Gln Gly Leu Gly Met Gln Ala Ala Cys Thr Leu Met Arg Leu Cys Trp
65 70 75 80

Ala Trp Glu Leu Ser Asp Leu His Leu Leu Gln Ser Leu Met Ala Gln
85 90 95

Ser Cys Ser Ser Ala Leu Arg Thr Ser Val Pro His Gly Ala Leu Leu
100 105 110

Glu Ala Ala Cys Thr Phe Cys Phe His Leu Thr Leu Leu His Leu Arg
115 120 125

His Ser Pro Pro Ala Tyr Ser Gly Pro Ala Val Ala Leu Leu Val Thr
130 135 140

Val Thr Ala Tyr Thr Ala Gly Pro Phe Thr Ser Ala Phe Phe Asn Pro
 145 150 155 160

Ala Leu Ala Ala Ser Val Thr Phe Ala Cys Ser Asp Thr Pro Tyr Trp
 165 170 175

Ser Thr Cys Arg Cys Thr Gly Trp Ala Leu
 180 185

<210> 1650

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (200)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1650

Met Val Arg Leu Ala Ala Glu Leu Leu Leu Leu Leu Gly Leu Leu Leu
 1 5 10 15

Leu Thr Leu His Ile Thr Val Leu Arg Gly Ser Gly Ala Ala Asp Gly
 20 25 30

Pro Asp Ala Ala Ala Gly Asn Ala Ser Gln Ala Gln Leu Gln Asn Asn
 35 40 45

Leu Asn Val Gly Ser Asp Thr Thr Ser Glu Thr Ser Phe Ser Leu Ser
 50 55 60

Lys Glu Ala Pro Arg Glu His Leu Asp His Gln Ala Ala His Gln Pro
 65 70 75 80

Phe Pro Arg Pro Arg Phe Arg Gln Glu Thr Gly His Pro Ser Leu Gln
 85 90 95

Arg Asp Phe Pro Arg Ser Phe Leu Leu Asp Leu Pro Asn Phe Pro Asp
 100 105 110

Leu Ser Lys Ala Asp Ile Asn Gly Gln Asn Pro Asn Ile Gln Val Thr
 115 120 125

Ile Glu Val Val Asp Gly Pro Asp Ser Glu Ala Asp Lys Asp Gln His
 130 135 140

Pro Glu Asn Lys Pro Ser Trp Ser Val Pro Ser Pro Asp Trp Arg Ala
 145 150 155 160

Trp	Trp	Gln	Arg	Ser	Leu	Ser	Leu	Ala	Arg	Ala	Asn	Ser	Gly	Asp	Gln
				165					170					175	
Asp	Tyr	Gln	Tyr	Asp	Ser	Thr	Ser	Asp	Asp	Ser	Asn	Phe	Leu	Asn	Pro
		180						185					190		
Pro	Arg	Gly	Trp	Asp	His	Thr	Xaa	Pro	Gly	His	Arg	Asp	Phe		
		195					200					205			

<210> 1651

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1651

His	Phe	Ser	Lys	Gly	Lys	Gln	Gln	Asn	Lys	Trp	Glu	Lys	Asp	Asn	Gly
1				5					10					15	
Pro	His	Phe	Thr	Tyr	Phe	Asn	Thr	Ile	Leu	Thr	Ile	Phe	Ser	Ser	Thr
			20					25					30		
Asn	Ile	Ser	Pro	Ile	Asn	Lys	Tyr	Lys	Arg	Gly	Gly	Gly	Ser	Ile	Trp
		35					40					45			
Gly	Ile	Leu	Xaa	Phe	Tyr	Val	Leu	Arg	Lys	Gln	Lys	Lys	Leu	His	Tyr
	50					55					60				
Phe	Cys	Lys	Val	Phe	Ile	Glu	Ser	Arg	Ile	Ile	Val	His	Gln	Ala	Ile
65					70					75					80
Val	Asn	Met	Thr	Trp	Ser	Tyr	Gly	Val	Glu	Leu	Arg	Lys	Asn	Lys	Val
				85					90					95	
Gly	Ser	Tyr	Ser	Ile	Phe	Tyr	Phe	Ala	Lys	Phe					
			100					105							

<210> 1652

<211> 464

<212> PRT

<213> Homo sapiens

<400> 1652

Met	Val	Arg	Leu	Ala	Ala	Glu	Leu	Leu	Leu	Leu	Gly	Leu	Leu	Leu		
1				5					10				15			
Leu	Thr	Leu	His	Ile	Thr	Val	Leu	Arg	Gly	Ser	Gly	Ala	Ala	Asp	Gly	
			20					25					30			
Pro	Asp	Ala	Ala	Ala	Gly	Asn	Ala	Ser	Gln	Ala	Gln	Leu	Gln	Asn	Asn	
		35					40					45				
Leu	Asn	Val	Gly	Ser	Asp	Thr	Thr	Ser	Glu	Thr	Ser	Phe	Ser	Leu	Ser	
	50					55					60					
Lys	Glu	Ala	Pro	Arg	Glu	His	Leu	Asp	His	Gln	Ala	Ala	His	Gln	Pro	
65					70					75					80	
Phe	Pro	Arg	Pro	Arg	Phe	Arg	Gln	Glu	Thr	Gly	His	Pro	Ser	Leu	Gln	
				85					90						95	
Arg	Asp	Phe	Pro	Arg	Ser	Phe	Leu	Leu	Asp	Leu	Pro	Asn	Phe	Pro	Asp	
			100					105					110			
Leu	Ser	Lys	Ala	Asp	Ile	Asn	Gly	Gln	Asn	Pro	Asn	Ile	Gln	Val	Thr	
		115					120					125				
Ile	Glu	Val	Val	Asp	Gly	Pro	Asp	Ser	Glu	Ala	Asp	Lys	Asp	Gln	His	
	130					135					140					
Pro	Glu	Asn	Lys	Pro	Ser	Trp	Ser	Val	Pro	Ser	Pro	Asp	Trp	Arg	Ala	
145					150					155					160	
Trp	Trp	Gln	Arg	Ser	Leu	Ser	Leu	Ala	Arg	Ala	Asn	Ser	Gly	Asp	Gln	
				165					170					175		
Asp	Tyr	Lys	Tyr	Asp	Ser	Thr	Ser	Asp	Asp	Ser	Asn	Phe	Leu	Asn	Pro	
			180					185					190			
Pro	Arg	Gly	Trp	Asp	His	Thr	Ala	Pro	Gly	His	Arg	Thr	Phe	Glu	Thr	
		195					200					205				
Lys	Asp	Gln	Pro	Glu	Tyr	Asp	Ser	Thr	Asp	Gly	Glu	Gly	Asp	Trp	Ser	
	210					215					220					
Leu	Trp	Ser	Val	Cys	Ser	Val	Thr	Cys	Gly	Asn	Gly	Asn	Gln	Lys	Arg	
225					230					235					240	
Thr	Arg	Ser	Cys	Gly	Tyr	Ala	Cys	Thr	Ala	Thr	Glu	Ser	Arg	Thr	Cys	
				245					250					255		
Asp	Arg	Pro	Asn	Cys	Pro	Gly	Ile	Glu	Asp	Thr	Phe	Arg	Thr	Ala	Ala	
			260					265					270			
Thr	Glu	Val	Ser	Leu	Leu	Ala	Gly	Ser	Glu	Glu	Phe	Asn	Ala	Thr	Lys	

275	280	285
Leu Phe Glu Val Asp Thr Asp Ser Cys Glu Arg Trp Met Ser Cys Lys		
290	295	300
Ser Glu Phe Leu Lys Lys Tyr Met His Lys Val Met Asn Asp Leu Pro		
305	310	315 320
Ser Cys Pro Cys Ser Tyr Pro Thr Glu Val Ala Tyr Ser Thr Ala Asp		
325	330	335
Ile Phe Asp Arg Ile Lys Arg Lys Asp Phe Arg Trp Lys Asp Ala Ser		
340	345	350
Gly Pro Lys Glu Lys Leu Glu Ile Tyr Lys Pro Thr Ala Arg Tyr Cys		
355	360	365
Ile Arg Ser Met Leu Ser Leu Glu Ser Thr Thr Leu Ala Ala Gln His		
370	375	380
Cys Cys Tyr Gly Asp Asn Met Gln Leu Ile Thr Arg Gly Lys Gly Ala		
385	390	395 400
Gly Thr Pro Asn Leu Ile Ser Thr Glu Phe Ser Ala Glu Leu His Tyr		
405	410	415
Lys Val Asp Val Leu Pro Trp Ile Ile Cys Lys Gly Asp Trp Ser Arg		
420	425	430
Tyr Asn Glu Ala Arg Pro Pro Asn Asn Gly Gln Lys Cys Thr Glu Ser		
435	440	445
Pro Ser Asp Glu Asp Tyr Ile Lys Gln Phe Gln Glu Ala Arg Glu Tyr		
450	455	460

<210> 1653

<211> 158

<212> PRT

<213> Homo sapiens

<400> 1653

Met Thr Thr Met Ala Pro Val Gly Leu Gln Thr Arg Ile Pro Trp Leu
1 5 10 15

Leu Cys Leu Gly Pro Pro Pro Gly Pro Cys Cys Pro Leu Ser Pro Thr
20 25 30

Ser	Thr	Leu	Pro	His	Thr	Pro	Thr	Ala	Arg	Ser	Leu	His	Pro	Thr	Met
		35					40					45			
Ser	Phe	His	Leu	Thr	Pro	Met	Val	Gly	Ala	Val	Pro	Ala	Ala	Ser	Ile
	50					55					60				
Val	Arg	Ala	Ala	Gly	Ala	Val	Gly	Arg	His	Gly	Val	Met	Gly	Gly	Gln
	65				70					75					80
Gly	Ala	Arg	Gly	Gly	Pro	Arg	Ser	Gly	Pro	Pro	Ser	Pro	Ser	Pro	Ala
			85						90					95	
Val	Ala	Val	Ser	Leu	Ser	Pro	Pro	Ala	Glu	Gly	Ala	Ala	Phe	Gly	Gly
			100					105					110		
Val	Gly	Lys	Gln	Val	Gly	Leu	Ala	Met	Gly	Ala	Leu	Leu	His	Pro	Glu
		115					120					125			
Ala	Gln	Leu	Gly	Val	Pro	Leu	Ile	Ser	Glu	Pro	Thr	Gln	Gly	Ser	Ile
	130					135					140				
Pro	Met	Asp	Arg	Pro	Leu	Ala	Trp	Pro	Ser	Pro	Thr	Thr	Pro		
145					150					155					

<210> 1654

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1654

Pro	Thr	Phe	Ser	Asp	Gln	Tyr	Leu	Ala	Pro	His	Pro	Tyr	Ser	Pro	Gln
1				5					10					15	
Pro	Pro	Pro	Tyr	His	Glu	Leu	Pro	His	Xaa	His	Gly	Gln	Ser	Gln	Arg
			20					25					30		
Val	Leu	Cys	Gly	Cys	Tyr	Val	Ala	His	Cys	Gly	Ala	Arg	Leu	Gly	Arg
		35					40					45			
Ala	Leu	Leu	Val	Cys	Asp	Trp	Val	Ser	Trp	Pro	Ser	Cys	Ala	Cys	Ser
	50					55					60				
Tyr	Ser	Ala	Trp	Ala	Gln	Pro	Thr	Ser	Cys	Cys	His	Thr	Gly	Asp	Cys
65					70					75					80

Gly His Cys Asp Ser His Gln Gln Cys Leu Val Pro Pro Pro Ser Leu
85 90 95

Arg Gly Arg Gln Gly Thr Phe Asp Tyr Phe
100 105

<210> 1655

<211> 158

<212> PRT

<213> Homo sapiens

<400> 1655

Met Thr Thr Met Ala Pro Val Gly Leu Gln Thr Arg Ile Pro Trp Leu
1 5 10 15

Leu Cys Leu Gly Pro Pro Pro Gly Pro Cys Cys Pro Leu Ser Pro Thr
20 25 30

Ser Thr Leu Pro His Thr Pro Thr Ala Arg Ser Leu His Pro Thr Met
35 40 45

Ser Phe His Leu Thr Pro Met Val Gly Ala Val Pro Ala Ala Ser Ile
50 55 60

Val Arg Ala Ala Gly Ala Val Gly Arg His Gly Val Met Gly Gly Gln
65 70 75 80

Gly Ala Arg Gly Gly Pro Arg Ser Gly Pro Pro Ser Pro Ser Pro Ala
85 90 95

Val Ala Val Ser Leu Ser Pro Pro Ala Glu Gly Ala Ala Phe Gly Gly
100 105 110

Val Gly Lys Gln Val Gly Leu Ala Met Gly Ala Leu Leu His Pro Glu
115 120 125

Ala Gln Leu Gly Val Pro Leu Ile Ser Glu Pro Thr Gln Gly Ser Ile
130 135 140

Pro Met Asp Arg Pro Leu Ala Trp Pro Ser Pro Thr Thr Pro
145 150 155

<210> 1656

<211> 66

<212> PRT

<213> Homo sapiens

<400> 1656

Met His Arg Pro Glu Ala Met Leu Leu Leu Leu Thr Leu Ala Leu Leu
1 5 10 15
Gly Gly Pro Thr Trp Ala Gly Lys Met Tyr Gly Pro Gly Gly Gly Lys
20 25 30
Tyr Phe Ser Thr Thr Glu Asp Tyr Asp His Glu Ile Thr Gly Leu Arg
35 40 45
Val Ser Val Gly Leu Leu Leu Val Lys Arg Phe Leu Glu Gly Val Ile
50 55 60
Tyr Glu
65

<210> 1657
<211> 178
<212> PRT
<213> Homo sapiens

<400> 1657
Met His Arg Pro Glu Ala Met Leu Leu Leu Leu Thr Leu Ala Leu Leu
1 5 10 15
Gly Gly Pro Thr Trp Ala Gly Lys Met Tyr Gly Pro Gly Gly Gly Lys
20 25 30
Tyr Phe Ser Thr Thr Glu Asp Tyr Asp His Glu Ile Thr Gly Leu Arg
35 40 45
Val Ser Val Gly Leu Leu Leu Val Lys Ser Val Gln Val Lys Leu Gly
50 55 60
Asp Ser Trp Asp Val Lys Leu Gly Ala Leu Gly Gly Asn Thr Gln Glu
65 70 75 80
Val Thr Leu Gln Pro Gly Glu Tyr Ile Thr Lys Val Phe Val Ala Phe
85 90 95
Gln Ala Phe Leu Arg Gly Met Val Met Tyr Thr Ser Lys Asp Arg Tyr
100 105 110
Phe Tyr Phe Gly Lys Leu Asp Gly Gln Ile Ser Ser Ala Tyr Pro Ser
115 120 125
Gln Glu Gly Gln Val Leu Val Gly Ile Tyr Gly Gln Tyr Gln Leu Leu
130 135 140
Gly Ile Lys Ser Ile Gly Phe Glu Trp Asn Tyr Pro Leu Glu Glu Pro
145 150 155 160

Thr Thr Glu Pro Pro Val Asn Leu Thr Tyr Ser Ala Asn Ser Pro Val
165 170 175

Gly Arg

<210> 1658
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1658
Met Thr Phe Cys Leu Phe Val Leu Phe Cys Leu Xaa Trp Ser Leu Ala
1 5 10 15

Leu Leu Pro Arg Val Glu Cys Ser Gly Ala Ile Ser Ala His Cys Asn
20 25 30

Leu His Leu Pro Gly Ser Gly Gly Phe Ser Cys Leu Ser Leu Leu Ser
35 40 45

Ser Trp Asp Xaa Arg His Ala Pro Pro Cys Pro Asp Asn Phe Cys Xaa
50 55 60

Phe	Ser	Xaa	Xaa	Gly	Val	Ser	Leu	Cys	Trp	Gln	Ala	Gly	Leu	Glu	His
65					70					75					80
Leu	Thr	Arg	Gly	Pro	Pro	Ala	Ser	Ala	Ser	Gln	Ser	Thr	Gly	Ile	Thr
				85					90					95	
Gly	Val	Ser	His	Pro	Ala	Trp	Pro	Arg	Met	Thr	Phe	Lys	Arg	Ser	Asn
			100					105					110		

<210> 1659
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 1659

Met	Thr	Thr	Ala	Ser	Ser	Leu	Ile	Ser	Pro	Phe	Phe	Pro	Leu	Pro	Pro
1				5					10					15	
Pro	Ala	His	Phe	Ser	Gln	Cys	Arg	Met	Thr	Phe	Cys	Leu	Phe	Val	Leu
			20					25					30		
Phe	Cys	Leu	Arg	Trp	Ser	Leu	Ala	Leu	Leu	Pro	Arg	Val	Glu	Cys	Ser
		35					40					45			
Gly	Ala	Ile	Ser	Ala	His	Cys	Asn	Leu	His	Leu	Pro	Gly	Ser	Ser	Gly
	50					55					60				
Phe	Ser	Cys	Leu	Ser	Leu	Leu	Ser	Ser	Trp	Asp	Tyr	Arg	His	Ala	Pro
65					70					75					80
Pro	Cys	Pro	Asp	Asn	Phe	Cys	Ile	Phe	Ser	Arg	Asp	Gly	Val	Ser	Leu
				85					90					95	
Cys	Trp	Pro	Gly	Trp	Ser	Arg	Thr	Pro	Asp	Leu	Val	Val	His	Pro	Pro
			100					105					110		
Arg	Pro	Pro	Lys	Ala	Leu	Gly	Leu	Gln	Ala						
			115					120							

<210> 1660
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1660
 Met Cys Lys Gly Leu Lys Asn Pro Glu Gly Leu Leu Leu Leu Leu Leu
 1 5 10 15

 Leu Leu Leu Phe Thr Asp Thr Xaa Asn Ser His Cys Leu Pro Pro Tyr
 20 25 30

 Leu Ser Cys Phe Leu His Glu Arg Gln Pro Glu Leu Gln Ser Val Cys
 35 40 45

 Ile Ser Ala Ala Tyr Val Leu Ala Pro Leu Gln Asn Pro Val Ser Ser
 50 55 60

 Leu
 65

<210> 1661
 <211> 299
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (172)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (174)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1661
 Gly Gly Glu Glu Glu Gly Glu Glu Gly Ala Glu Ile Ser Gly Leu Gly
 1 5 10 15

 Ala Gly Arg Arg Ser Ala Pro Ile Ala Val Gly Leu Gly Phe Leu Gly
 20 25 30

 Val Gly Gly Arg Gly Gly Ser Asp Met Glu Ala Asn Gly Ser Gln Gly
 35 40 45

 Thr Ser Gly Ser Ala Asn Asp Ser Gln His Asp Pro Gly Lys Met Phe
 50 55 60

 Ile Gly Gly Leu Ser Trp Gln Thr Ser Pro Asp Ser Leu Arg Asp Tyr
 65 70 75 80

Phe	Ser	Lys	Phe	Gly	Glu	Ile	Arg	Glu	Cys	Met	Val	Met	Arg	Asp	Pro	85	90	95
Thr	Thr	Lys	Arg	Ser	Arg	Gly	Phe	Gly	Phe	Val	Thr	Phe	Ala	Asp	Pro	100	105	110
Ala	Ser	Val	Asp	Lys	Val	Leu	Gly	Gln	Pro	His	His	Glu	Leu	Asp	Ser	115	120	125
Lys	Thr	Ile	Asp	Pro	Lys	Val	Ala	Phe	Pro	Arg	Arg	Ala	Gln	Pro	Lys	130	135	140
Met	Val	Thr	Arg	Thr	Lys	Lys	Ile	Phe	Val	Gly	Gly	Leu	Ser	Ala	Asn	145	150	155
Thr	Val	Val	Glu	Asp	Val	Lys	Gln	Tyr	Phe	Glu	Xaa	Phe	Xaa	Lys	Val	165	170	175
Glu	Asp	Ala	Met	Leu	Met	Phe	Asp	Lys	Thr	Thr	Asn	Arg	His	Arg	Gly	180	185	190
Phe	Gly	Phe	Val	Thr	Phe	Glu	Asn	Glu	Asp	Val	Val	Glu	Lys	Val	Cys	195	200	205
Glu	Ile	His	Phe	His	Glu	Ile	Asn	Asn	Lys	Met	Val	Glu	Cys	Lys	Lys	210	215	220
Ala	Gln	Pro	Lys	Glu	Val	Met	Phe	Pro	Pro	Gly	Thr	Arg	Gly	Arg	Ala	225	230	235
Arg	Gly	Leu	Pro	Tyr	Thr	Met	Asp	Ala	Phe	Met	Leu	Gly	Met	Gly	Met	245	250	255
Leu	Gly	Glu	Ser	Gly	Gln	Asp	Arg	Arg	Ser	Pro	Trp	Thr	Gly	Arg	Ala	260	265	270
Met	Glu	Ala	Ser	Thr	Pro	Asn	Trp	Val	Thr	Tyr	Gln	Trp	Gly	Lys	Leu	275	280	285
Leu	His	Leu	Ser	Lys	Pro	Gln	Phe	Pro	Cys	Leu						290	295	

<210> 1662

<211> 97

<212> PRT

<213> Homo sapiens

<400> 1662

Met Cys Lys Gly Leu Lys Asn Pro Glu Gly Leu Leu Leu Leu Leu Leu

1	5	10	15												
Leu	Leu	Leu	Phe	Thr	Asp	Thr	Ser	Asn	Ser	His	Cys	Leu	Pro	Pro	Tyr
			20					25					30		
Leu	Ser	Cys	Phe	Leu	His	Glu	Arg	Gln	Pro	Glu	Leu	Gln	Ser	Val	Cys
		35					40					45			
Ile	Ser	Ala	Ala	Tyr	Val	Leu	Ala	Thr	Pro	Pro	Glu	Pro	Ser	Phe	Ile
	50					55					60				
Leu	Val	Gly	Phe	Ser	Glu	Ala	Gly	Phe	Ala	Gln	Val	Ala	Cys	Phe	Leu
65					70					75					80
Lys	Tyr	Leu	Phe	Cys	Arg	Pro	Phe	Thr	Arg	His	Gly	Tyr	Phe	Tyr	Ser
				85					90					95	

Gly

<210> 1663

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1663

Met	Leu	Ala	Ala	Ala	Pro	Leu	His	Glu	Gln	Lys	Gln	Met	Ile	Gly	Thr
1				5					10					15	
Cys	Tyr	Leu	Val	Leu	Lys	Arg	Trp	Ser	Asp	Trp	Met	Val	Leu	Ser	Phe
			20					25					30		
Leu	Pro	Leu	Leu	Leu	Ser	Cys	Asp	Phe	Glu	Gly	Ser	Val	Ser	Thr	Pro
		35					40					45			
Leu	Ser	Met	Met	Ser	Thr	Pro	Ser	Trp	Leu	Ala	Arg	Ser	Arg	Ala	Cys
	50					55					60				
Cys	Trp	Arg	Leu	Thr	Thr	Xaa	Ser	Cys	Cys	Ser	Cys	Trp	Ser	Leu	Gln
65				70						75					80
Asn	Pro	Ser	Met	Pro	Arg										
				85											

<210> 1664
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1664
Met Leu Ala Ala Ala Pro Leu His Glu Gln Lys Gln Met Ile Gly Thr
1 5 10 15
Cys Tyr Leu Val Leu Lys Arg Trp Ser Asp Trp Met Val Leu Ser Phe
20 25 30
Leu Pro Leu Leu Leu Ser Cys Asp Phe Glu Gly Ser Val Ser Thr Pro
35 40 45
Leu Ser Met Met Ser Thr Pro Ser Trp Leu Ala Arg Ser Arg Ala Cys
50 55 60
Cys Trp Arg Leu Thr Thr Xaa Ser Cys Cys Ser Cys Trp Ser Leu Gln
65 70 75 80
Asn Pro Ser Met Pro Arg
85

<210> 1665
<211> 49
<212> PRT
<213> Homo sapiens

<400> 1665
Met Lys His Ser Phe Leu Ser Ser Asp Leu Ile Trp Cys Val Leu Ser
1 5 10 15
Leu Leu Cys Leu Gly Val Trp Phe Arg Glu Thr Trp Thr Thr Leu Phe
20 25 30
Gly Arg Thr Gly Leu Pro Arg Asn Gln Gln Cys Pro Arg Arg Lys Gly
35 40 45
Leu

<210> 1666
<211> 49
<212> PRT
<213> Homo sapiens

<400> 1666
Met Lys His Ser Phe Leu Ser Ser Asp Leu Ile Trp Cys Val Leu Ser
1 5 10 15
Leu Leu Cys Leu Gly Val Trp Phe Arg Glu Thr Trp Thr Thr Leu Phe
20 25 30
Gly Arg Thr Gly Leu Pro Arg Asn Gln Gln Cys Pro Arg Arg Lys Gly
35 40 45
Leu

<210> 1667
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1667
Met Tyr Val Thr Leu Val Phe Arg Val Lys Gly Ser Arg Leu Val Lys
1 5 10 15
Pro Ser Leu Cys Leu Ala Leu Leu Cys Pro Ala Phe Leu Val Gly Val
20 25 30

Val Arg Val Ala Glu Tyr Arg Asn His Trp Ser Asp Val Leu Ala Gly
35 40 45

Phe Leu Thr Gly Ala Ala Ile Ala Thr Phe Leu Val Thr Cys Val Val
50 55 60

His Asn Phe Gln Xaa Arg Pro Pro Ser Gly Arg Xaa Leu Ser Pro Gln
65 70 75 80

Ser Ala Tyr Pro Arg Leu Pro Gly Pro Xaa Phe Pro His Leu His Asn
85 90 95

Gly Gly Asp His Pro Cys Pro Ala Gly Cys Arg Xaa Gly Cys Glu Ser
100 105 110

Ser Ala Trp Met Gln Pro Gly Gly Ser His Arg Ala Ala Phe Thr Gly
115 120 125

Leu Ala Leu Pro Trp Ala Gly Gly Arg Pro His Pro Lys Arg
130 135 140

<210> 1668

<211> 110

<212> PRT

<213> Homo sapiens

<400> 1668

Met Tyr Val Thr Leu Val Phe Arg Val Lys Gly Ser Arg Leu Val Lys
1 5 10 15

Pro Ser Leu Cys Leu Ala Leu Leu Cys Pro Ala Phe Leu Val Gly Val
20 25 30

Val Arg Val Ala Glu Tyr Arg Asn His Trp Ser Asp Val Leu Ala Gly
35 40 45

Phe Leu Thr Gly Ala Ala Ile Ala Thr Phe Leu Val Thr Cys Val Val
50 55 60

His Asn Phe Gln Ser Arg Pro Pro Ser Gly Arg Arg Leu Ser Pro Gln
65 70 75 80

Ser Ala Tyr Pro Arg Leu Pro Gly Pro Gln Phe Pro His Leu His Asn
85 90 95

Gly Gly Asp His Pro Cys Pro Ala Gly Cys Gln Glu Arg Leu
100 105 110

<210> 1669
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 1669

Met	Ala	Gly	Pro	Gly	Trp	Thr	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu
1				5				10					15		
Leu	Leu	Gly	Ser	Met	Ala	Gly	Tyr	Gly	Pro	Gln	Lys	Lys	Leu	Asn	Leu
			20					25					30		
Ser	His	Lys	Gly	Ile	Gly	Glu	Pro	Cys	Gly	Arg	His	Glu	Glu	Cys	Gln
		35					40					45			
Ser	Asn	Cys	Cys	Thr	Ile	Asn	Ser	Leu	Ala	Pro	His	Thr	Leu	Cys	Thr
	50					55					60				
Pro	Lys	Thr	Ile	Phe	Leu	Gln	Cys	Leu	Pro	Trp	Arg	Lys	Pro	Asn	Gly
	65				70					75					80
Tyr	Arg	Cys	Ser	His	Asp	Ser	Glu	Cys	Gln	Ser	Ser	Cys	Cys	Val	Arg
				85					90					95	
Asn	Asn	Ser	Pro	Gln	Glu	Leu	Cys	Thr	Pro	Gln	Ser	Val	Phe	Leu	Gln
			100					105					110		
Cys	Val	Pro	Trp	Arg	Lys	Pro	Asn	Gly	Asp	Phe	Cys	Ser	Ser	His	Gln
		115					120					125			
Glu	Cys	His	Ser	Gln	Cys	Cys	Ile	Gln	Leu	Arg	Glu	Tyr	Ser	Pro	Phe
	130					135					140				
Arg	Cys	Ile	Pro	Arg	Thr	Gly	Ile	Leu	Ala	Gln	Cys	Leu	Pro	Leu	
145					150					155					

<210> 1670
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 1670

Met	Arg	Trp	Pro	Cys	Pro	Thr	Ser	Lys	Pro	Ala	Pro	Pro	Pro	Val	Leu
1				5					10					15	
Trp	Ser	His	Leu	Cys	Gln	His	Arg	Trp	Gly	Leu	Thr	Pro	Ala	Ser	Thr
			20					25					30		
Leu	Leu	Cys	Trp	Leu	Leu	Leu	Phe	Asn	Leu	Gly	Thr	Cys	Leu	Ser	Phe
		35					40					45			

Ser His Leu Lys Gln Asn Asn Asn Asn Ser Asn Thr Ser Lys Ile Ser
50 55 60

Phe Asp Pro Ala Ser Leu Cys Trp Val Ile Ile Ser Leu Ser Phe Pro
65 70 75 80

Pro Phe Pro Ser Lys His Leu Lys Arg Val Val Tyr Thr Gln His Ser
85 90 95

Pro Phe Pro His Tyr Pro Leu Thr Pro Gln Pro Ala Ala Ile
100 105 110

<210> 1671
<211> 382
<212> PRT
<213> Homo sapiens

<400> 1671
Gly Pro Glu Arg Gly Arg Tyr Tyr Pro Lys Ser His Lys Asn Val Asp
1 5 10 15

Leu Asn Asp Val Leu Val Pro Lys Pro Phe Ser Gln Phe Trp Gln Pro
20 25 30

Leu Leu Arg Gly Leu His Ser Gln Asn Phe Thr Gln Ala Leu Leu Glu
35 40 45

Arg Met Leu Ser Glu Leu Pro Ala Leu Gly Ile Ser Gly Ile Arg Pro
50 55 60

Thr Tyr Ile Leu Arg Trp Thr Val Glu Leu Ile Val Ala Asn Thr Lys
65 70 75 80

Thr Gly Arg Asn Ala Arg Arg Phe Ser Ala Gly Gln Trp Glu Ala Arg
85 90 95

Arg Gly Trp Arg Leu Phe Asn Cys Ser Ala Ser Leu Asp Trp Pro Arg
100 105 110

Met Val Glu Ser Cys Leu Gly Ser Pro Cys Trp Ala Ser Pro Gln Leu
115 120 125

Leu Arg Ile Ile Phe Lys Ala Met Gly Gln Gly Leu Pro Asp Glu Glu
130 135 140

Gln Glu Lys Leu Leu Arg Ile Cys Ser Ile Tyr Thr Gln Ser Gly Glu
145 150 155 160

Asn Ser Leu Val Gln Glu Gly Ser Glu Ala Ser Pro Ile Gly Lys Ser

				165						170						175			
Pro	Tyr	Thr	Leu	Asp	Ser	Leu	Tyr	Trp	Ser	Val	Lys	Pro	Ala	Ser	Ser				
			180					185					190						
Ser	Phe	Gly	Ser	Glu	Ala	Lys	Ala	Gln	Gln	Gln	Glu	Glu	Gln	Gly	Ser				
		195					200					205							
Val	Asn	Asp	Val	Lys	Glu	Glu	Glu	Lys	Glu	Glu	Lys	Glu	Val	Leu	Pro				
	210					215					220								
Asp	Gln	Val	Glu	Glu	Glu	Glu	Glu	Asn	Asp	Asp	Gln	Glu	Glu	Glu	Glu				
225					230					235					240				
Glu	Asp	Glu	Asp	Asp	Glu	Asp	Asp	Glu	Glu	Glu	Asp	Arg	Met	Glu	Val				
				245					250					255					
Gly	Pro	Phe	Ser	Thr	Gly	Gln	Glu	Ser	Pro	Thr	Ala	Glu	Asn	Ala	Arg				
			260					265					270						
Leu	Leu	Ala	Gln	Lys	Arg	Gly	Ala	Leu	Gln	Gly	Ser	Ala	Trp	Gln	Val				
		275					280					285							
Ser	Ser	Glu	Asp	Val	Arg	Trp	Asp	Thr	Phe	Pro	Leu	Gly	Arg	Met	Pro				
	290					295					300								
Gly	Gln	Thr	Glu	Asp	Pro	Ala	Glu	Leu	Met	Leu	Glu	Asn	Tyr	Asp	Thr				
305					310					315					320				
Met	Tyr	Leu	Leu	Asp	Gln	Pro	Val	Leu	Glu	Gln	Arg	Leu	Glu	Pro	Ser				
				325					330					335					
Thr	Cys	Lys	Thr	Asp	Thr	Leu	Gly	Leu	Ser	Cys	Gly	Val	Gly	Ser	Gly				
			340					345					350						
Asn	Cys	Ser	Asn	Ser	Ser	Ser	Ser	Asn	Phe	Glu	Gly	Leu	Leu	Trp	Ser				
		355					360					365							
Gln	Gly	Gln	Leu	His	Gly	Leu	Lys	Thr	Gly	Leu	Gln	Leu	Phe						
	370					375					380								

<210> 1672

<211> 110

<212> PRT

<213> Homo sapiens

<400> 1672

Met	Arg	Trp	Pro	Cys	Pro	Thr	Ser	Lys	Pro	Ala	Pro	Pro	Pro	Val	Leu
1				5				10						15	

Trp Ser His Leu Cys Gln His Arg Trp Gly Leu Thr Pro Ala Ser Thr
 20 25 30
 Leu Leu Cys Trp Leu Leu Leu Phe Asn Leu Gly Thr Cys Leu Ser Phe
 35 40 45
 Ser His Leu Lys Gln Asn Asn Asn Asn Ser Asn Thr Ser Lys Ile Ser
 50 55 60
 Phe Asp Pro Ala Ser Leu Cys Trp Val Ile Ile Ser Leu Ser Phe Pro
 65 70 75 80
 Pro Phe Pro Ser Lys His Leu Lys Arg Val Val Tyr Thr Gln His Ser
 85 90 95
 Pro Phe Pro His Tyr Pro Leu Thr Pro Gln Pro Ala Ala Ile
 100 105 110

<210> 1673

<211> 156

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1673

Met Leu Gln Gly His Ser Ser Val Phe Gln Ala Leu Leu Gly Thr Phe
 1 5 10 15

Phe Thr Trp Gly Met Thr Ala Ala Gly Ala Ala Leu Val Phe Val Phe
 20 25 30

Ser Ser Gly Gln Arg Arg Ile Leu Asp Gly Ser Leu Gly Phe Ala Ala
 35 40 45
 Gly Val Met Leu Ala Ala Ser Tyr Trp Ser Leu Leu Ala Pro Ala Val
 50 55 60
 Glu Met Ala Thr Ser Ser Gly Gly Phe Gly Ala Phe Ala Phe Phe Pro
 65 70 75 80
 Val Ala Val Gly Phe Thr Leu Gly Ala Ala Phe Xaa Tyr Leu Ala Asp
 85 90 95
 Leu Leu Met Pro His Leu Gly Ala Ala Glu Asp Pro Gln Thr Ala Leu
 100 105 110
 Ala Xaa Asn Phe Gly Ser Thr Leu Met Xaa Lys Lys Ser Asp Pro Glu
 115 120 125
 Gly Pro Ala Leu Leu Xaa Pro Glu Ser Glu Leu Phe Ile Arg Ile Gly
 130 135 140
 Arg Leu Ala Ser Phe Ser Ser Ser Leu Leu Gln His
 145 150 155

<210> 1674

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1674

Met Leu Gln Gly His Ser Ser Val Phe Gln Ala Leu Leu Gly Thr Phe
 1 5 10 15
 Phe Thr Trp Gly Met Thr Ala Ala Gly Ala Ala Leu Val Phe Val Phe
 20 25 30
 Ser Ser Gly Gln Arg Arg Ile Leu Asp Gly Ser Leu Gly Phe Ala Ala
 35 40 45
 Gly Val Met Leu Ala Ala Ser Tyr Trp Ser Leu Leu Ala Pro Ala Val
 50 55 60
 Glu Met Ala Thr Ser Ser Gly Gly Phe Gly Ala Phe Ala Phe Phe Pro
 65 70 75 80

Val Ala Val Gly Phe Thr Leu Gly Ala Ala Phe Val Tyr Leu Ala Asp
 85 90 95
 Leu Leu Met Pro His Leu Gly Ala Ala Glu Asp Pro Gln Thr Ala Leu
 100 105 110
 Ala Leu Asn Phe Gly Ser Thr Leu Met Lys Lys Lys Ser Asp Pro Glu
 115 120 125
 Gly His Ala Leu Leu Phe Pro Glu Arg Ile His Xaa Ile Asp Lys Ser
 130 135 140
 Glu Asn Gly Glu Ala Tyr Gln Arg Lys Lys Ala Ala Ala Thr Gly Leu
 145 150 155 160
 Pro Glu Gly Pro Ala Val Pro
 165

<210> 1675
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 1675
 Met Phe Gln Phe Leu Ser Gln Gly Phe Tyr Cys Gly Val Gly Leu Phe
 1 5 10 15
 Thr Arg Phe Leu Lys Leu Leu Gly Ala Leu Leu Leu Leu Ala Leu Ala
 20 25 30
 Leu Phe Leu Gly Phe Leu Gln Leu Gly Trp Arg Phe Leu Val Gly Leu
 35 40 45
 Gly Asp Arg Leu Gly Trp Arg Asp Lys Ala Thr Trp Leu Phe Ser Trp
 50 55 60
 Leu Asp Ser Pro Ala Leu Gln Arg Cys Leu Thr Leu Leu Arg Asp Ser
 65 70 75 80
 Arg Pro Trp Gln Arg Leu Val Arg Ile Val Gln Trp Gly Trp Leu Glu
 85 90 95
 Leu Pro Trp Val Lys Gln Asn Ile Asn Arg Gln Gly Asn Ala Pro Val
 100 105 110
 Ala Ser Gly Arg Tyr Cys Gln Pro Glu Glu Glu Val Ala Arg Leu Leu
 115 120 125
 Thr Met Ala Gly Val Pro Glu Asp Glu Leu Asn Pro Phe His Val Leu
 130 135 140

Gly	Val	Glu	Ala	Thr	Ala	Ser	Asp	Val	Glu	Leu	Lys	Lys	Ala	Tyr	Arg
145					150					155					160
Gln	Leu	Ala	Val	Met	Val	His	Pro	Asp	Lys	Asn	His	His	Pro	Arg	Ala
				165					170					175	
Glu	Glu	Ala	Phe	Lys	Val	Phe	Ala	Ser	Ser	Leu	Gly	Thr	Leu	Ser	Ala
			180					185					190		
Met	Leu	Lys	Lys	Arg	Lys	Gly	Val	Trp	Arg	Leu	Lys				
		195					200								

<210> 1676
 <211> 412
 <212> PRT
 <213> Homo sapiens

<400> 1676

Met	Gly	Val	Trp	Thr	Gly	Arg	Leu	Gly	Gly	Trp	Ala	Gln	Val	Met	Phe
1				5				10					15		
Gln	Phe	Leu	Ser	Gln	Gly	Phe	Tyr	Cys	Gly	Val	Gly	Leu	Phe	Thr	Arg
			20					25					30		
Phe	Leu	Lys	Leu	Leu	Gly	Ala	Leu	Leu	Leu	Leu	Ala	Leu	Ala	Leu	Phe
		35					40					45			
Leu	Gly	Phe	Leu	Gln	Leu	Gly	Trp	Arg	Phe	Leu	Val	Gly	Leu	Gly	Asp
	50					55					60				
Arg	Leu	Gly	Trp	Arg	Asp	Lys	Ala	Thr	Trp	Leu	Phe	Ser	Trp	Leu	Asp
65					70					75					80
Ser	Pro	Ala	Leu	Gln	Arg	Cys	Leu	Thr	Leu	Leu	Arg	Asp	Ser	Arg	Pro
				85					90					95	
Trp	Gln	Arg	Leu	Val	Arg	Ile	Val	Gln	Trp	Gly	Trp	Leu	Glu	Leu	Pro
			100					105					110		
Trp	Val	Lys	Gln	Asn	Ile	Asn	Arg	Gln	Gly	Asn	Ala	Pro	Val	Ala	Ser
		115					120					125			
Gly	Arg	Tyr	Cys	Gln	Pro	Glu	Glu	Glu	Val	Ala	Arg	Leu	Leu	Thr	Met
	130					135					140				
Ala	Gly	Val	Pro	Glu	Asp	Glu	Leu	Asn	Pro	Phe	His	Val	Leu	Gly	Val
145					150					155					160
Glu	Ala	Thr	Ala	Ser	Asp	Val	Glu	Leu	Lys	Lys	Ala	Tyr	Arg	Gln	Leu

				165						170					175
Ala	Val	Met	Val	His	Pro	Asp	Lys	Asn	His	His	Pro	Arg	Ala	Glu	Glu
			180					185					190		
Ala	Phe	Lys	Val	Leu	Arg	Ala	Ala	Trp	Asp	Ile	Val	Ser	Asn	Ala	Glu
		195					200					205			
Lys	Arg	Lys	Glu	Tyr	Glu	Met	Lys	Arg	Met	Ala	Glu	Asn	Glu	Leu	Ser
	210					215					220				
Arg	Ser	Val	Asn	Glu	Phe	Leu	Ser	Lys	Leu	Gln	Asp	Asp	Leu	Lys	Glu
225					230					235					240
Ala	Met	Asn	Thr	Met	Met	Cys	Ser	Arg	Cys	Gln	Gly	Lys	His	Arg	Arg
				245					250					255	
Phe	Glu	Met	Asp	Arg	Glu	Pro	Lys	Ser	Ala	Arg	Tyr	Cys	Ala	Glu	Cys
			260					265					270		
Asn	Arg	Leu	His	Pro	Ala	Glu	Glu	Gly	Asp	Phe	Trp	Ala	Glu	Ser	Ser
		275					280					285			
Met	Leu	Gly	Leu	Lys	Ile	Thr	Tyr	Phe	Ala	Leu	Met	Asp	Gly	Lys	Val
	290					295					300				
Tyr	Asp	Ile	Thr	Gln	Trp	Ala	Gly	Cys	Gln	Arg	Val	Gly	Ile	Ser	Pro
305					310					315					320
Asp	Thr	His	Arg	Val	Pro	Tyr	His	Ile	Ser	Phe	Gly	Ser	Arg	Ile	Pro
				325					330					335	
Gly	Thr	Arg	Gly	Arg	Gln	Arg	Ala	Thr	Pro	Asp	Ala	Pro	Pro	Ala	Asp
			340					345					350		
Leu	Gln	Asp	Phe	Leu	Ser	Arg	Ile	Phe	Gln	Val	Pro	Pro	Gly	Gln	Met
		355					360					365			
Pro	Asn	Gly	Asn	Phe	Phe	Ala	Ala	Pro	Gln	Pro	Ala	Pro	Gly	Ala	Ala
	370					375					380				
Ala	Ala	Ser	Lys	Pro	Asn	Ser	Thr	Val	Pro	Lys	Gly	Glu	Ala	Lys	Pro
385					390					395					400
Lys	Arg	Arg	Lys	Lys	Val	Arg	Arg	Pro	Phe	Gln	Arg				
				405					410						

<210> 1677

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1677

Met	Ala	Leu	Phe	Arg	Cys	Val	Trp	Ser	Val	Leu	Ser	Ala	Leu	Gly	Lys	
1				5					10					15		
Ser	Gly	Ser	Asp	Leu	Cys	Ala	Gly	Cys	Gly	Ser	Arg	Leu	Arg	Ser	Pro	
			20					25					30			
Phe	Ser	Phe	Ala	Tyr	Val	Pro	Arg	Cys	Phe	Ser	Ser	Thr	Ala	Asn	Ser	
		35					40					45				
Tyr	Pro	Lys	Lys	Pro	Leu	Thr	Ser	Tyr	Val	Arg	Phe	Ser	Lys	Glu	Gln	
	50					55					60					
Leu	Pro	Ile	Phe	Lys	Ala	Gln	Asn	Pro	Asp	Ala	Lys	Asn	Ser	Glu	Leu	
65					70					75					80	
Ile	Arg	Lys	Ile	Ala	Gln	Leu	Trp	Arg	Glu	Leu	Pro	Asp	Ser	Glu	Lys	
				85					90					95		
Lys	Ile	Tyr	Glu	Asp	Ala	Tyr	Arg	Ala	Asp	Leu	Ala	Gly	His	Thr	Lys	
			100					105					110			
Lys	Glu	Ile	Asn	Arg	Ile	Xaa	Glu	Pro	Gly							
		115					120									

<210> 1678

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1678

Met	Ala	Leu	Phe	Arg	Cys	Val	Trp	Ser	Val	Leu	Ser	Ala	Leu	Gly	Lys	
1				5					10					15		
Ser	Gly	Ser	Asp	Leu	Cys	Ala	Gly	Cys	Gly	Ser	Arg	Leu	Arg	Ser	Pro	
			20					25					30			
Phe	Ser	Phe	Ala	Tyr	Val	Pro	Arg	Cys	Phe	Ser	Ser	Thr	Ala	Asn	Ser	
		35					40					45				
Tyr	Pro	Lys	Lys	Pro	Leu	Thr	Ser	Tyr	Val	Arg	Phe	Ser	Lys	Glu	Gln	
	50					55					60					

Leu	Pro	Ile	Phe	Lys	Ala	Gln	Asn	Pro	Asp	Ala	Lys	Asn	Ser	Glu	Leu
65					70					75					80
Ile	Arg	Lys	Ile	Ala	Gln	Leu	Trp	Arg	Glu	Leu	Pro	Asp	Ser	Glu	Lys
				85					90					95	
Lys	Ile	Tyr	Glu	Asp	Ala	Tyr	Arg	Ala	Asp	Trp	Gln	Ala	Tyr	Lys	Glu
			100					105					110		
Glu	Ile	Asn	Arg	Ile	Gln	Glu	Gln	Leu	Thr	Pro	Ser	Gln	Ile	Val	Ser
		115					120					125			
Leu	Glu	Lys	Glu	Ile	Gln	Gln	Lys	Arg	Leu	Lys	Lys	Lys	Ala	Leu	Ile
	130					135					140				
Lys	Lys	Arg	Glu	Leu	Thr	Met	Leu	Gly	Lys	Pro	Lys	Arg	Pro	Arg	Ser
145					150					155					160
Ala	Tyr	Asn	Ile	Phe	Ile	Ala	Glu	Arg	Phe	Gln	Glu	Thr	Lys	Asp	Gly
				165					170					175	
Thr	Ser	Gln	Val	Lys	Leu	Lys	Thr	Ile	Asn	Glu	Asn	Trp	Lys	Asn	Leu
			180					185					190		
Ser	Ser	Ser	Gln	Lys	Gln	Val	Tyr	Ile	Gln	Leu	Ala	Asn	Asp	Asp	Lys
		195					200					205			
Ile	Arg	Tyr	Tyr	Asn	Glu	Met	Lys	Ser	Trp	Glu	Glu	Gln	Met	Met	Glu
	210					215					220				
Val	Gly	Arg	Lys	Asp	Leu	Leu	Arg	Arg	Thr	Val	Lys	His	Gln	Arg	Lys
225					230					235					240
Val	Asp	Pro	Glu	Glu	Tyr										
				245											

<210> 1679

<211> 495

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (330)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (333)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1679

Met	Ser	Met	Leu	Val	Val	Phe	Leu	Leu	Leu	Trp	Gly	Val	Thr	Trp	Gly
1				5					10					15	
Pro	Val	Thr	Glu	Ala	Ala	Ile	Phe	Tyr	Glu	Thr	Gln	Pro	Ser	Leu	Trp
			20					25					30		
Ala	Glu	Ser	Glu	Ser	Leu	Leu	Lys	Pro	Leu	Ala	Asn	Val	Thr	Leu	Thr
		35					40					45			
Cys	Gln	Ala	Arg	Leu	Glu	Thr	Pro	Asp	Phe	Gln	Leu	Phe	Lys	Asn	Gly
	50					55					60				
Val	Ala	Gln	Glu	Pro	Val	His	Leu	Asp	Ser	Pro	Ala	Ile	Lys	His	Gln
65					70					75					80
Phe	Leu	Leu	Thr	Gly	Asp	Thr	Gln	Gly	Arg	Tyr	Arg	Cys	Arg	Ser	Gly
				85					90					95	
Leu	Ser	Thr	Gly	Trp	Thr	Gln	Leu	Ser	Lys	Leu	Leu	Glu	Leu	Thr	Gly
			100					105					110		
Pro	Lys	Ser	Leu	Pro	Ala	Pro	Trp	Leu	Ser	Met	Ala	Pro	Val	Ser	Trp
		115					120					125			
Ile	Thr	Pro	Gly	Leu	Lys	Thr	Thr	Ala	Val	Cys	Arg	Gly	Val	Leu	Arg
130						135					140				
Gly	Val	Thr	Phe	Leu	Leu	Arg	Arg	Glu	Gly	Asp	His	Glu	Phe	Leu	Glu
145					150					155					160
Val	Pro	Glu	Ala	Gln	Glu	Asp	Val	Glu	Ala	Thr	Phe	Pro	Val	His	Gln
				165					170					175	
Pro	Gly	Asn	Tyr	Ser	Cys	Ser	Tyr	Arg	Thr	Asp	Gly	Glu	Gly	Ala	Leu
			180					185					190		
Ser	Glu	Pro	Ser	Ala	Thr	Val	Thr	Ile	Glu	Glu	Leu	Ala	Ala	Pro	Pro
		195					200					205			
Pro	Pro	Val	Leu	Met	His	His	Gly	Glu	Ser	Ser	Gln	Val	Leu	His	Pro
	210					215					220				
Gly	Asn	Lys	Val	Thr	Leu	Thr	Cys	Val	Ala	Pro	Leu	Ser	Gly	Val	Asp
225					230					235					240
Phe	Gln	Leu	Arg	Arg	Gly	Glu	Lys	Glu	Leu	Leu	Val	Pro	Arg	Ser	Ser
				245					250					255	
Thr	Ser	Pro	Asp	Arg	Ile	Phe	Phe	His	Leu	Asn	Ala	Val	Ala	Leu	Gly
			260					265					270		

Asp Gly Gly His Tyr Thr Cys Arg Tyr Arg Leu His Asp Asn Gln Asn
 275 280 285
 Gly Trp Ser Gly Asp Ser Ala Pro Val Glu Leu Ile Leu Ser Asp Glu
 290 295 300
 Thr Leu Pro Ala Pro Glu Phe Ser Pro Glu Pro Glu Ser Gly Arg Ala
 305 310 315 320
 Leu Arg Leu Arg Cys Leu Ala Pro Leu Xaa Gly Ala Xaa Phe Ala Leu
 325 330 335
 Val Arg Glu Asp Arg Gly Gly Arg Arg Val His Arg Phe Gln Ser Pro
 340 345 350
 Ala Gly Thr Glu Ala Leu Phe Glu Leu His Asn Ile Ser Val Ala Asp
 355 360 365
 Ser Ala Asn Tyr Ser Cys Val Tyr Val Asp Leu Lys Pro Pro Phe Gly
 370 375 380
 Gly Ser Ala Pro Ser Glu Arg Leu Glu Leu His Val Asp Gly Pro Pro
 385 390 395 400
 Pro Arg Pro Gln Leu Arg Ala Thr Trp Ser Gly Ala Val Leu Ala Gly
 405 410 415
 Arg Asp Ala Val Leu Arg Cys Glu Gly Pro Ile Pro Asp Val Thr Phe
 420 425 430
 Glu Leu Leu Arg Glu Gly Glu Thr Lys Ala Val Lys Thr Val Arg Thr
 435 440 445
 Pro Gly Ala Ala Ala Asn Leu Glu Leu Ile Phe Val Gly Pro Gln His
 450 455 460
 Ala Gly Asn Tyr Arg Cys Arg Tyr Arg Ser Trp Val Pro His Thr Phe
 465 470 475 480
 Glu Ser Glu Leu Ser Asp Pro Val Glu Leu Leu Val Ala Glu Ser
 485 490 495

<210> 1680

<211> 495

<212> PRT

<213> Homo sapiens

<400> 1680

Met Ser Met Leu Val Val Phe Leu Leu Leu Trp Gly Val Thr Trp Gly

1		5		10		15											
Pro	Val	Thr	Glu	Ala	Ala	Ile	Phe	Tyr	Glu	Thr	Gln	Pro	Ser	Leu	Trp		
			20					25					30				
Ala	Glu	Ser	Glu	Ser	Leu	Leu	Lys	Pro	Leu	Ala	Asn	Val	Thr	Leu	Thr		
		35					40					45					
Cys	Gln	Ala	Arg	Leu	Glu	Thr	Pro	Asp	Phe	Gln	Leu	Phe	Lys	Asn	Gly		
	50					55					60						
Val	Ala	Gln	Glu	Pro	Val	His	Leu	Asp	Ser	Pro	Ala	Ile	Lys	His	Gln		
65					70					75					80		
Phe	Leu	Leu	Thr	Gly	Asp	Thr	Gln	Gly	Arg	Tyr	Arg	Cys	Arg	Ser	Gly		
				85					90					95			
Leu	Ser	Thr	Gly	Trp	Thr	Gln	Leu	Ser	Lys	Leu	Leu	Glu	Leu	Thr	Gly		
			100					105					110				
Pro	Lys	Ser	Leu	Pro	Ala	Pro	Trp	Leu	Ser	Met	Ala	Pro	Val	Ser	Trp		
		115					120					125					
Ile	Thr	Pro	Gly	Leu	Lys	Thr	Thr	Ala	Val	Cys	Arg	Gly	Val	Leu	Arg		
	130					135					140						
Gly	Val	Thr	Phe	Leu	Leu	Arg	Arg	Glu	Gly	Asp	His	Glu	Phe	Leu	Glu		
145					150					155					160		
Val	Pro	Glu	Gly	Gln	Glu	Asp	Val	Glu	Ala	Thr	Phe	Pro	Val	His	Gln		
				165					170					175			
Pro	Gly	Asn	Tyr	Ser	Cys	Ser	Tyr	Arg	Thr	Asp	Gly	Glu	Gly	Ala	Leu		
			180					185					190				
Ser	Glu	Pro	Ser	Ala	Thr	Val	Thr	Ile	Glu	Glu	Leu	Ala	Ala	Pro	Pro		
		195					200					205					
Pro	Pro	Val	Leu	Met	His	His	Gly	Glu	Ser	Ser	Gln	Val	Leu	His	Pro		
	210					215					220						
Gly	Asn	Lys	Val	Thr	Leu	Thr	Cys	Val	Ala	Pro	Leu	Ser	Gly	Val	Asp		
225					230					235					240		
Phe	Gln	Leu	Arg	Arg	Gly	Glu	Lys	Glu	Leu	Leu	Val	Pro	Arg	Ser	Ser		
				245					250					255			
Thr	Ser	Pro	Asp	Arg	Ile	Phe	Phe	His	Leu	Asn	Ala	Val	Ala	Leu	Gly		
			260					265					270				
Asp	Gly	Gly	His	Tyr	Thr	Cys	Arg	Tyr	Arg	Leu	His	Asp	Asn	Gln	Asn		
		275					280					285					

			20					25						30			
Ala	Leu	Ser	Asn	Asp	Thr	Val	Tyr	Val	Asp	Phe	Gln	Tyr	Phe	Asp	Gly		
		35					40					45					
Ala	Asn	Gly	Thr	Leu	Arg	Asn	Val	Ser	Val	Leu	Leu	Leu	Glu	Ala	Asn		
	50					55				60							
Thr	Asn	Gln	Thr	Val	Thr	Thr	Lys	Tyr	Leu	Leu	Thr	Asn	Gln	Ser	Gln		
	65				70					75					80		
Gly	Thr	Leu	Lys	Phe	Glu	Cys	Phe	Tyr	Phe	Lys	Glu	Ala	Gly	Asp	Tyr		
				85					90					95			
Trp	Phe	Thr	Met	Thr	Pro	Glu	Ala	Thr	Asp	Asn	Ser	Thr	Pro	Phe	Pro		
			100					105					110				
Trp	Trp	Glu	Lys	Ser	Ala	Phe	Leu	Lys	Val	Glu	Trp	Pro	Val	Phe	His		
	115						120					125					
Val	Asp	Leu	Asn	Arg	Ser	Ala	Lys	Ala	Ala	Glu	Gly	Thr	Phe	Gln	Val		
	130					135					140						
Gly	Leu	Phe	Thr	Ser	Gln	Pro	Leu	Cys									
145					150												

<210> 1682

<211> 78

<212> PRT

<213> Homo sapiens

<400> 1682

Ser	Ser	Pro	Thr	Ser	Pro	Lys	Asp	Asn	Tyr	Gln	Arg	Val	Ser	Ser	Leu		
1				5				10					15				
Ser	Pro	Ser	Gln	Cys	Arg	Lys	Asp	Lys	Cys	Gln	Ser	Phe	Pro	Thr	His		
			20					25					30				
Pro	Glu	Phe	Ala	Phe	Tyr	Asp	Asn	Thr	Ser	Phe	Gly	Leu	Thr	Glu	Ala		
		35					40					45					
Glu	Gln	Arg	Met	Leu	Asp	Leu	Pro	Gly	Tyr	Phe	Gly	Ser	Asn	Glu	Glu		
	50					55					60						
Asp	Glu	Thr	Thr	Ser	Thr	Leu	Ser	Val	Glu	Lys	Leu	Val	Ile				
	65				70					75							

<210> 1683

<211> 490

<212> PRT

<213> Homo sapiens

<400> 1683

Met Gly Lys Asn Lys Tyr Cys Phe Asp Phe Gly Ile Ser Ser Arg Ser
1 5 10 15

His Phe Ser Ala Lys Glu Glu Cys Met Leu Ile Gln Arg Asn Thr Ala
20 25 30

Phe Gln Pro Ser Ser Pro Ser Pro Leu Gln Pro Gln Gly Pro Val Lys
35 40 45

Ser Asn Asn Ile Val Thr Val Thr Gly Ile Ser Leu Cys Leu Phe Ile
50 55 60

Ile Ile Ala Thr Val Leu Ile Thr Leu Trp Arg Arg Phe Gly Arg Pro
65 70 75 80

Ala Lys Cys Ser Thr Pro Ala Arg His Asn Ser Ile His Ser Pro Ser
85 90 95

Phe Arg Lys Asn Ser Asp Glu Glu Asn Ile Cys Glu Leu Ser Glu Gln
100 105 110

Arg Gly Ser Phe Ser Asp Gly Gly Asp Gly Pro Thr Gly Ser Pro Gly
115 120 125

Asp Thr Gly Ile Pro Leu Thr Tyr Arg Arg Ser Gly Pro Val Pro Pro
130 135 140

Glu Asp Asp Ala Ser Gly Ser Glu Ser Phe Gln Ser Asn Ala Gln Lys
145 150 155 160

Ile Ile Pro Pro Leu Phe Ser Tyr Arg Leu Ala Gln Gln Gln Leu Lys
165 170 175

Glu Met Lys Lys Lys Gly Leu Thr Glu Thr Thr Lys Val Tyr His Val
180 185 190

Ser Gln Ser Pro Leu Thr Asp Thr Ala Ile Asp Ala Ala Pro Ser Ala
195 200 205

Pro Leu Asp Leu Glu Ser Pro Glu Glu Ala Ala Ala Asn Lys Phe Arg
210 215 220

Ile Lys Ser Pro Phe Pro Glu Gln Pro Ala Val Ser Ala Gly Glu Arg
225 230 235 240

Pro Pro Ser Arg Leu Asp Leu Asn Val Thr Gln Ala Ser Cys Ala Ile
245 250 255

Ser Pro Ser Gln Thr Leu Ile Arg Lys Ser Gln Ala Arg His Val Gly
 260 265 270
 Ser Arg Gly Gly Pro Ser Glu Arg Ser His Ala Arg Asn Ala His Phe
 275 280 285
 Arg Arg Thr Ala Ser Phe His Glu Ala Arg Gln Ala Arg Pro Phe Arg
 290 295 300
 Glu Arg Ser Met Ser Thr Leu Thr Pro Arg Gln Ala Pro Ala Tyr Ser
 305 310 315 320
 Ser Arg Thr Arg Thr Cys Glu Gln Ala Glu Asp Arg Phe Arg Pro Gln
 325 330 335
 Ser Arg Gly Ala His Leu Phe Pro Glu Lys Leu Glu His Phe Gln Glu
 340 345 350
 Ala Ser Gly Thr Arg Gly Pro Leu Asn Pro Leu Pro Lys Ser Tyr Thr
 355 360 365
 Leu Gly Gln Pro Leu Arg Lys Pro Asp Leu Gly Asp His Gln Ala Gly
 370 375 380
 Leu Val Ala Gly Ile Glu Arg Thr Glu Pro His Arg Ala Arg Arg Gly
 385 390 395 400
 Pro Ser Pro Ser His Lys Ser Val Ser Arg Lys Gln Ser Ser Pro Ile
 405 410 415
 Ser Pro Lys Asp Asn Tyr Gln Arg Val Ser Ser Leu Ser Pro Ser Gln
 420 425 430
 Cys Arg Lys Asp Lys Cys Gln Ser Phe Pro Thr His Pro Glu Phe Ala
 435 440 445
 Phe Tyr Asp Asn Thr Ser Phe Gly Leu Thr Glu Ala Glu Gln Arg Met
 450 455 460
 Leu Asp Leu Pro Gly Tyr Phe Gly Ser Asn Glu Glu Asp Glu Thr Thr
 465 470 475 480
 Ser Thr Leu Ser Val Glu Lys Leu Val Ile
 485 490

<210> 1684
 <211> 178
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1684

Met	Ala	Met	Val	Pro	Gly	Ala	Thr	Leu	Arg	Arg	Leu	Leu	Ser	Val	Val
1				5					10					15	

Leu	Pro	Thr	Ala	Ser	Gln	Pro	Gln	Leu	Leu	Ala	Leu	Leu	Asp	Ser	Ala
			20					25					30		

Thr	Glu	Arg	His	Val	Asp	His	Ala	Ala	Glu	Ser	Asp	Gly	Gly	Ala	Glu
		35					40					45			

Gln	Ala	Asp	Val	Gly	Arg	Arg	Arg	Lys	His	Gln	Ser	Trp	Trp	Gln	Ala
	50					55					60				

Leu	Asp	Gly	Lys	Leu	Arg	Gly	Asp	Leu	Ile	Ser	Arg	Gly	Leu	Glu	Lys
65					70					75					80

Met	Leu	Trp	Ala	Arg	Lys	Arg	Lys	Gln	Ser	Ile	Leu	Lys	Lys	Thr	Cys
			85						90					95	

Leu	Pro	Leu	Arg	Glu	Arg	Met	Ile	Phe	Ser	Gly	Lys	Gly	Ser	Trp	Pro
			100					105					110		

His	Leu	Ser	Leu	Glu	Pro	Ile	Gly	Glu	Leu	Xaa	Pro	Val	Pro	Ile	Val
		115					120					125			

Gly	Ala	Glu	Thr	Ile	Asp	Leu	Leu	Asn	Thr	Gly	Glu	Lys	Leu	Phe	Ile
	130					135					140				

Phe	Arg	Asn	Pro	Lys	Glu	Pro	Glu	Ile	Ser	Leu	His	Val	Pro	Pro	Arg
145					150					155					160

Lys	Lys	Lys	Asn	Phe	Leu	Asn	Ala	Lys	Lys	Ala	Met	Arg	Ala	Xaa	Gly
				165					170					175	

Met Asp

<210> 1685

<211> 200

<212> PRT

<213> Homo sapiens

<400> 1685

Met Ala Met Val Pro Gly Ala Thr Leu Arg Arg Leu Leu Ser Val Val
1 5 10 15
Leu Pro Thr Ala Ser Gln Pro Gln Leu Leu Ala Leu Leu Asp Ser Ala
20 25 30
Thr Glu Arg His Val Asp His Ala Ala Glu Ser Asp Gly Gly Ala Glu
35 40 45
Gln Ala Asp Val Gly Arg Arg Arg Lys His Gln Ser Trp Trp Gln Ala
50 55 60
Leu Asp Gly Lys Leu Arg Gly Asp Leu Ile Ser Arg Gly Leu Glu Lys
65 70 75 80
Met Leu Trp Ala Arg Lys Arg Lys Gln Ser Ile Leu Lys Lys Thr Cys
85 90 95
Leu Pro Leu Arg Glu Arg Met Ile Phe Ser Gly Lys Gly Ser Trp Pro
100 105 110
His Leu Ser Leu Glu Pro Ile Gly Glu Leu Gly Pro Val Pro Ile Val
115 120 125
Gly Ala Glu Thr Ile Asp Leu Leu Asn Thr Gly Glu Lys Leu Phe Ile
130 135 140
Phe Arg Asn Pro Lys Glu Pro Glu Ile Ser Leu Thr Phe Leu Gln Glu
145 150 155 160
Lys Glu Asp Leu Phe Glu Cys Pro Lys Gly His Glu Gly Leu Gly His
165 170 175
Gly Leu Ala Gln Gly Lys Asp Leu Arg Glu His Met Lys Arg Glu Gly
180 185 190
Met Ile Phe Ser Cys Pro Pro Val
195 200

<210> 1686

<211> 419

<212> PRT

<213> Homo sapiens

<400> 1686

Met Ser Cys Ala Gly Arg Ala Gly Pro Ala Arg Leu Ala Ala Leu Ala

1		5		10		15											
Leu	Leu	Thr	Cys	Ser	Leu	Trp	Pro	Ala	Arg	Ala	Asp	Asn	Ala	Ser	Gln		
			20					25					30				
Glu	Tyr	Tyr	Thr	Ala	Leu	Ile	Asn	Val	Thr	Val	Gln	Glu	Pro	Gly	Arg		
		35					40					45					
Gly	Ala	Pro	Leu	Thr	Phe	Arg	Ile	Asp	Arg	Gly	Arg	Tyr	Gly	Leu	Asp		
	50					55					60						
Ser	Pro	Lys	Ala	Glu	Val	Arg	Gly	Gln	Val	Leu	Ala	Pro	Leu	Pro	Leu		
65					70					75					80		
His	Gly	Val	Ala	Asp	His	Leu	Gly	Cys	Asp	Pro	Gln	Thr	Arg	Phe	Phe		
				85					90					95			
Val	Pro	Pro	Asn	Ile	Lys	Gln	Trp	Ile	Ala	Leu	Leu	Gln	Arg	Gly	Asn		
			100					105					110				
Cys	Thr	Phe	Lys	Glu	Lys	Ile	Ser	Arg	Ala	Ala	Phe	His	Asn	Ala	Val		
		115					120					125					
Ala	Val	Val	Ile	Tyr	Asn	Asn	Lys	Ser	Lys	Glu	Glu	Pro	Val	Thr	Met		
	130					135					140						
Thr	His	Pro	Gly	Thr	Gly	Asp	Ile	Ile	Ala	Val	Met	Ile	Thr	Glu	Leu		
145					150					155					160		
Arg	Gly	Lys	Asp	Ile	Leu	Ser	Tyr	Leu	Glu	Lys	Asn	Ile	Ser	Val	Gln		
				165					170					175			
Met	Thr	Ile	Ala	Val	Gly	Thr	Arg	Met	Pro	Pro	Lys	Asn	Phe	Ser	Arg		
			180					185					190				
Gly	Ser	Leu	Val	Phe	Val	Ser	Ile	Ser	Phe	Ile	Val	Leu	Met	Ile	Ile		
		195					200					205					
Ser	Ser	Ala	Trp	Leu	Ile	Phe	Tyr	Phe	Ile	Gln	Lys	Ile	Arg	Tyr	Thr		
	210					215					220						
Asn	Ala	Arg	Asp	Arg	Asn	Gln	Arg	Arg	Leu	Gly	Asp	Ala	Ala	Lys	Lys		
225					230					235					240		
Ala	Ile	Ser	Lys	Leu	Thr	Thr	Arg	Thr	Val	Lys	Lys	Gly	Asp	Lys	Glu		
				245					250					255			
Thr	Asp	Pro	Asp	Phe	Asp	His	Cys	Ala	Val	Cys	Ile	Glu	Ser	Tyr	Lys		
			260					265					270				
Gln	Asn	Asp	Val	Val	Arg	Ile	Leu	Pro	Cys	Lys	His	Val	Phe	His	Lys		
		275					280					285					

Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr Cys Pro Met Cys
290 295 300

Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro Asn Leu Pro Cys
305 310 315 320

Thr Asp Asn Val Ala Phe Asp Met Glu Arg Leu Thr Arg Thr Gln Ala
325 330 335

Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp Asn Ser Leu
340 345 350

Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu Pro Gln Asp
355 360 365

Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala Val Thr Lys
370 375 380

Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala Leu Thr Leu
385 390 395 400

Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala Asn Glu Val
405 410 415

Glu Trp Phe

<210> 1687

<211> 419

<212> PRT

<213> Homo sapiens

<400> 1687

Met Ser Cys Ala Gly Arg Ala Gly Pro Ala Arg Leu Ala Ala Leu Ala
1 5 10 15

Leu Leu Thr Cys Ser Leu Trp Pro Ala Arg Ala Asp Asn Ala Ser Gln
20 25 30

Glu Tyr Tyr Thr Ala Leu Ile Asn Val Thr Val Gln Glu Pro Gly Arg
35 40 45

Gly Ala Pro Leu Thr Phe Arg Ile Asp Arg Gly Arg Tyr Gly Leu Asp
50 55 60

Ser Pro Lys Ala Glu Val Arg Gly Gln Val Leu Ala Pro Leu Pro Leu
65 70 75 80

His Gly Val Ala Asp His Leu Gly Cys Asp Pro Gln Thr Arg Phe Phe

85								90				95			
Val	Pro	Pro	Asn	Ile	Lys	Gln	Trp	Ile	Ala	Leu	Leu	Gln	Arg	Gly	Asn
			100					105					110		
Cys	Thr	Phe	Lys	Glu	Lys	Ile	Ser	Arg	Ala	Ala	Phe	His	Asn	Ala	Val
		115					120					125			
Ala	Val	Val	Ile	Tyr	Asn	Asn	Lys	Ser	Lys	Glu	Glu	Pro	Val	Thr	Met
	130					135					140				
Thr	His	Pro	Gly	Thr	Gly	Asp	Ile	Ile	Ala	Val	Met	Ile	Thr	Glu	Leu
145					150					155					160
Arg	Gly	Lys	Asp	Ile	Leu	Ser	Tyr	Leu	Glu	Lys	Asn	Ile	Ser	Val	Gln
				165					170					175	
Met	Thr	Ile	Ala	Val	Gly	Thr	Arg	Met	Pro	Pro	Lys	Asn	Phe	Ser	Arg
			180					185					190		
Gly	Ser	Leu	Val	Phe	Val	Ser	Ile	Ser	Phe	Ile	Val	Leu	Met	Ile	Ile
		195					200					205			
Ser	Ser	Ala	Trp	Leu	Ile	Phe	Tyr	Phe	Ile	Gln	Lys	Ile	Arg	Tyr	Thr
	210					215					220				
Asn	Ala	Arg	Asp	Arg	Asn	Gln	Arg	Arg	Leu	Gly	Asp	Ala	Ala	Lys	Lys
225					230					235					240
Ala	Ile	Ser	Lys	Leu	Thr	Thr	Arg	Thr	Val	Lys	Lys	Gly	Asp	Lys	Glu
				245					250					255	
Thr	Asp	Pro	Asp	Phe	Asp	His	Cys	Ala	Val	Cys	Ile	Glu	Ser	Tyr	Lys
			260					265					270		
Gln	Asn	Asp	Val	Val	Arg	Ile	Leu	Pro	Cys	Lys	His	Val	Phe	His	Lys
		275					280					285			
Ser	Cys	Val	Asp	Pro	Trp	Leu	Ser	Glu	His	Cys	Thr	Cys	Pro	Met	Cys
	290					295					300				
Lys	Leu	Asn	Ile	Leu	Lys	Ala	Leu	Gly	Ile	Val	Pro	Asn	Leu	Pro	Cys
305					310					315					320
Thr	Asp	Asn	Val	Ala	Phe	Asp	Met	Glu	Arg	Leu	Thr	Arg	Thr	Gln	Ala
				325					330					335	
Val	Asn	Arg	Arg	Ser	Ala	Leu	Gly	Asp	Leu	Ala	Gly	Asp	Asn	Ser	Leu
			340					345					350		
Gly	Leu	Glu	Pro	Leu	Arg	Thr	Ser	Gly	Ile	Ser	Pro	Leu	Pro	Gln	Asp
		355					360					365			

Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala Val Thr Lys
 370 375 380

Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala Leu Thr Leu
 385 390 395 400

Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala Asn Glu Val
 405 410 415

Glu Trp Phe

<210> 1688

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1688

Met Ala Phe Ser Lys Leu Leu Glu Gln Ala Gly Gly Val Gly Leu Phe
 1 5 10 15

Gln Thr Leu Gln Val Leu Thr Phe Ile Leu Pro Cys Leu Met Ile Pro
 20 25 30

Ser Gln Met Leu Leu Glu Asn Phe Ser Ala Ala Ile Pro Gly His Arg
 35 40 45

Cys Trp Thr His Met Leu Asp Asn Gly Ser Ala Val Ser Thr Asn Met
 50 55 60

Thr Pro Lys Ala Leu Leu Thr Ile Ser Ile Pro Pro Gly Pro Asn Gln
 65 70 75 80

Gly Pro His Gln Cys Arg Arg Phe Arg Gln Pro Gln Trp Gln Leu Leu
 85 90 95

Asp Pro Asn Ala Thr Ala Thr Ser Trp Ser Glu Ala Asp Thr Glu Pro
 100 105 110

Cys Val Asp Gly Trp Val Tyr Xaa Arg Arg Ser Ser Pro Pro Pro Ser
 115 120 125

Trp Pro Ser Gly Thr Trp Cys Ala Ala Pro Arg Leu Glu Xaa Pro
 130 135 140

<210> 1689

<211> 515

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1689

Met Ala Phe Ser Lys Leu Leu Glu Gln Ala Gly Gly Val Gly Leu Phe
 1 5 10 15

Gln Thr Leu Gln Val Leu Thr Phe Ile Leu Pro Cys Leu Met Ile Pro
 20 25 30

Ser Gln Met Leu Leu Glu Asn Phe Ser Ala Ala Ile Pro Gly His Arg
 35 40 45

Cys Trp Thr His Met Leu Asp Asn Gly Ser Ala Val Ser Thr Asn Met
 50 55 60

Thr Pro Lys Ala Leu Leu Thr Ile Ser Ile Pro Pro Gly Pro Asn Gln
 65 70 75 80

Gly Pro His Gln Cys Arg Arg Phe Arg Gln Pro Gln Trp Gln Leu Leu
 85 90 95

Asp Pro Asn Ala Thr Ala Thr Ser Trp Ser Glu Ala Asp Thr Glu Pro
 100 105 110

Cys Val Asp Gly Trp Val Tyr Asp Arg Ser Val Phe Thr Ser Thr Ile
 115 120 125

Val	Ala	Lys	Trp	Asp	Leu	Val	Cys	Ser	Ser	Gln	Gly	Leu	Lys	Pro	Leu				
	130					135					140								
Xaa	Gln	Ser	Ile	Phe	Met	Xaa	Gly	Ile	Leu	Val	Gly	Ser	Phe	Ile	Trp				
145					150					155					160				
Gly	Leu	Leu	Ser	Tyr	Arg	Phe	Xaa	Arg	Lys	Pro	Met	Leu	Ser	Trp	Cys				
				165					170					175					
Cys	Leu	Gln	Leu	Ala	Val	Ala	Gly	Thr	Ser	Thr	Ile	Phe	Ala	Pro	Thr				
			180					185					190						
Phe	Val	Ile	Tyr	Cys	Gly	Leu	Arg	Phe	Val	Ala	Ala	Phe	Gly	Met	Ala				
		195					200					205							
Gly	Ile	Phe	Leu	Ser	Ser	Leu	Thr	Leu	Met	Val	Glu	Trp	Thr	Thr	Thr				
	210					215					220								
Ser	Arg	Arg	Ala	Val	Thr	Met	Thr	Val	Val	Gly	Cys	Ala	Phe	Ser	Ala				
225					230					235					240				
Gly	Gln	Ala	Ala	Leu	Gly	Gly	Leu	Ala	Phe	Ala	Leu	Arg	Asp	Trp	Arg				
				245				250						255					
Thr	Leu	Gln	Leu	Ala	Ala	Ser	Val	Pro	Phe	Phe	Ala	Ile	Ser	Leu	Ile				
			260					265					270						
Ser	Trp	Trp	Leu	Pro	Glu	Ser	Ala	Arg	Trp	Leu	Ile	Ile	Lys	Gly	Lys				
		275					280					285							
Pro	Asp	Gln	Ala	Leu	Gln	Glu	Leu	Arg	Lys	Val	Ala	Arg	Ile	Asn	Gly				
	290					295					300								
His	Lys	Glu	Ala	Lys	Asn	Leu	Thr	Ile	Glu	Val	Leu	Met	Ser	Ser	Val				
305					310					315					320				
Lys	Glu	Glu	Val	Ala	Ser	Ala	Lys	Glu	Pro	Arg	Ser	Val	Leu	Asp	Leu				
				325					330					335					
Phe	Cys	Val	Pro	Val	Leu	Arg	Trp	Arg	Ser	Cys	Ala	Met	Leu	Val	Val				
			340					345					350						
Asn	Phe	Ser	Leu	Leu	Ile	Ser	Tyr	Tyr	Gly	Leu	Val	Phe	Asp	Leu	Gln				
		355					360					365							
Ser	Leu	Gly	Arg	Asp	Ile	Phe	Leu	Leu	Gln	Ala	Leu	Phe	Gly	Ala	Val				
	370					375					380								
Asp	Phe	Leu	Gly	Arg	Ala	Thr	Thr	Ala	Leu	Leu	Leu	Ser	Phe	Leu	Gly				
385					390					395					400				

Arg Arg Thr Ile Gln Ala Gly Ser Gln Ala Met Gly Gly Leu Ala Ile
 405 410 415
 Leu Ala Asn Met Leu Val Pro Gln Val Arg Met Thr Ala Asp Gly Ile
 420 425 430
 Leu His Thr Val Gly Arg Leu Gly Ala Met Met Gly Pro Leu Ile Leu
 435 440 445
 Met Ser Arg Gln Ala Leu Pro Leu Leu Pro Pro Leu Leu Tyr Gly Val
 450 455 460
 Ile Ser Ile Ala Ser Ser Leu Val Val Leu Phe Phe Leu Pro Glu Thr
 465 470 475 480
 Gln Gly Leu Pro Leu Pro Asp Thr Ile Gln Asp Leu Glu Ser Gln Lys
 485 490 495
 Ser Thr Ala Ala Gln Gly Asn Arg Gln Glu Ala Val Thr Val Glu Ser
 500 505 510
 Thr Ser Leu
 515

<210> 1690
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 1690
 Met Asp Trp Trp Phe Leu Ala Ile Ala Met Ala Leu Leu Trp Leu Thr
 1 5 10 15
 Thr Ser Arg Lys Gln Cys Cys Ser Thr Trp Ala Leu Leu Asn Tyr Met
 20 25 30
 Ala Leu Met Ile Leu Ile Gly Glu Asn Pro Asp Leu Leu Val Asn Leu
 35 40 45
 Asp Ser Leu Gln Glu Pro Val Cys Val Ile Leu Val Lys Gly Leu Leu
 50 55 60
 Phe Gln Arg Ile Ala Ala Asn Leu Gln Pro Leu Val Leu His His His
 65 70 75 80
 Thr Ile Gln Met Met Asn Lys Lys
 85

<210> 1691
<211> 81
<212> PRT
<213> Homo sapiens

<400> 1691

Met Asp Trp Trp Phe Leu Ala Ile Ala Met Ala Leu Leu Trp Leu Thr
1 5 10 15

Thr Ser Arg Lys Gln Cys Cys Ser Thr Trp Ala Leu Leu Asn Tyr Met
20 25 30

Ala Leu Met Ile Leu Ile Gly Glu Asn Pro Asp Leu Leu Val Asn Leu
35 40 45

Asp Ser Leu Gln Glu Pro Val Cys Val Ile Leu Val Lys Gly Leu Leu
50 55 60

Phe Gln Arg Ile Ala Ala Asn Leu Gln Pro Leu Gln Arg Cys Gln Gly
65 70 75 80

Ser

<210> 1692
<211> 462
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (204)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (292)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (303)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1692

Met Val Asp Tyr Leu Gln Lys Ala Val Leu Leu Asn Leu Gly Thr Ile
1 5 10 15

Glu Leu Tyr Gly Ser Asn Asp Pro Tyr Arg Arg Glu Pro Arg Ser Pro
20 25 30

Arg Lys Ser Arg Gln Pro Ser Gly Ala Gly Leu Cys Asp Ile Ser Glu
35 40 45

Gly Thr Val Val Pro Glu Asp Arg Cys Lys Ser Pro Thr Ser Ala Lys
50 55 60

Met Ser Arg Lys Leu Ser Leu Pro Thr Asp Leu Lys Pro Asp Leu Asp
65 70 75 80

Val Lys Asp Asn Ser Phe Ser Arg Ser Arg Ser Ser Ser Val Thr Ser
85 90 95

Ile Asp Lys Glu Ser Arg Glu Ala Ile Ser Ala Leu His Phe Cys Glu
100 105 110

Thr Phe Thr Arg Lys Thr Asp Ser Ser Pro Ser Pro Cys Leu Trp Val
115 120 125

Gly Thr Thr Leu Gly Thr Val Leu Val Ile Ala Leu Asn Leu Pro Pro
130 135 140

Gly Gly Glu Xaa Xaa Leu Leu Gln Pro Val Ile Val Ser Pro Ser Gly
145 150 155 160

Thr Ile Leu Arg Leu Lys Gly Ala Ile Leu Arg Met Ala Phe Leu Asp
165 170 175

Thr Thr Gly Cys Leu Ile Pro Pro Ala Tyr Glu Pro Trp Arg Glu His
180 185 190

Asn Val Pro Glu Glu Lys Asp Glu Lys Glu Lys Xaa Lys Lys Arg Arg
195 200 205

Pro Val Ser Val Ser Pro Ser Ser Ser Gln Glu Ile Ser Glu Asn Gln
210 215 220

Tyr Ala Val Ile Cys Ser Glu Lys Gln Ala Lys Val Ile Ser Leu Pro
225 230 235 240

Thr Gln Asn Cys Ala Tyr Lys Gln Asn Ile Thr Glu Thr Ser Phe Val
245 250 255

Leu Arg Gly Asp Ile Val Ala Leu Ser Asn Ser Ile Cys Leu Ala Cys
 260 265 270
 Phe Cys Ala Asn Gly His Ile Met Thr Phe Ser Leu Pro Ser Leu Arg
 275 280 285
 Pro Leu Leu Xaa Val Tyr Tyr Leu Pro Leu Thr Asn Met Arg Xaa Ala
 290 295 300
 Arg Thr Phe Cys Phe Thr Asn Asn Gly Gln Ala Leu Tyr Leu Val Ser
 305 310 315 320
 Pro Thr Glu Ile Gln Arg Leu Thr Tyr Ser Gln Glu Thr Cys Glu Asn
 325 330 335
 Leu Gln Glu Met Leu Gly Glu Leu Phe Thr Pro Val Glu Thr Pro Glu
 340 345 350
 Ala Pro Asn Arg Gly Phe Phe Lys Gly Leu Phe Gly Gly Gly Ala Gln
 355 360 365
 Ser Leu Asp Arg Glu Glu Leu Phe Gly Glu Ser Ser Ser Gly Lys Ala
 370 375 380
 Ser Arg Ser Leu Ala Gln His Ile Pro Gly Pro Gly Gly Ile Glu Gly
 385 390 395 400
 Val Lys Gly Ala Ala Ser Gly Val Val Gly Glu Leu Ala Arg Ala Arg
 405 410 415
 Leu Ala Leu Asp Glu Arg Gly Gln Lys Leu Gly Asp Leu Glu Glu Arg
 420 425 430
 Thr Ala Ala Met Leu Ser Ser Ala Glu Ser Phe Ser Lys His Ala His
 435 440 445
 Glu Ile Met Leu Lys Tyr Lys Asp Lys Lys Trp Tyr Gln Phe
 450 455 460

<210> 1693

<211> 112

<212> PRT

<213> Homo sapiens

<400> 1693

Met Leu Ile Ser Gly Trp Ala Arg Trp Leu Met Pro Leu Val Pro Ala
 1 5 10 15

Leu Trp Glu Ala Glu Ala Gly Glu Ser Gly Val Gln Asp Gln Pro Gly

	20		25		30												
Gln	Cys	Gly	Glu	Thr	Leu	Ser	Leu	Leu	Lys	Ile	Lys	Lys	Lys	Lys	Lys		
	35						40				45						
Lys	Lys	Trp	Leu	Ile	Ser	Glu	Ser	Tyr	Ser	Gly	Leu	Asn	Ser	Val	Ile		
	50					55					60						
Gln	Pro	Lys	Leu	Ile	Thr	Leu	Cys	Tyr	Leu	Trp	Glu	Pro	His	Leu	Lys		
	65				70					75					80		
Ser	Lys	Asp	Pro	Asp	Thr	Cys	Leu	Ile	Leu	Trp	Gln	Gly	Ser	Asn	Glu		
				85					90					95			
Ser	Asn	Lys	Met	Leu	Val	Lys	Val	Arg	Thr	Gly	Ser	Ile	Leu	Asn	Thr		
			100					105					110				

<210> 1694
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (76)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1694																	
Met	Gly	Leu	Gln	Ser	Arg	Leu	Ser	Gln	Pro	Cys	His	Cys	Arg	His	Leu		
1				5				10						15			
Gly	Leu	Gly	Asn	Ser	Val	Val	Gly	Thr	Val	Leu	Phe	Leu	Val	Gly	Cys		
			20				25						30				
Leu	Val	Ala	Ser	Leu	Pro	Pro	Pro	Thr	Arg	Cys	Gln	Xaa	His	Cys	Ser		
		35					40				45						
Pro	Gln	Pro	Pro	Ala	Pro	Val	Val	Thr	Ile	Val	Ser	Lys	His	Cys	Gln		
	50					55					60						
Met	Val	Gln	Gly	Lys	Gly	Lys	Ile	Ala	Pro	Val	Xaa	Lys	Ser	Thr	Ala		
	65				70					75					80		

Val Lys

<210> 1695

<211> 82

<212> PRT

<213> Homo sapiens

<400> 1695

Met Gly Leu Gln Ser Arg Leu Ser Gln Pro Cys His Cys Arg His Leu
1 5 10 15

Gly Leu Gly Asn Ser Val Val Gly Thr Val Leu Phe Leu Val Gly Cys
20 25 30

Leu Val Ala Ser Leu Pro Pro Pro Thr Arg Cys Gln Gly His Cys Ser
35 40 45

Pro Gln Pro Pro Ala Pro Val Val Thr Ile Val Ser Lys His Cys Gln
50 55 60

Met Val Gln Gly Lys Gly Lys Ile Ala Pro Val Glu Lys Ser Thr Ala
65 70 75 80

Val Lys

<210> 1696

<211> 193

<212> PRT

<213> Homo sapiens

<400> 1696

Met Gln Leu Gly Thr Leu Leu Thr Phe Phe His Glu Leu Val Gln Thr
1 5 10 15

Ala Leu Pro Ser Gly Ser Cys Val Asp Thr Leu Leu Lys Asp Leu Cys
20 25 30

Lys Met Tyr Thr Thr Leu Thr Ala Leu Val Arg Tyr Tyr Leu Gln Val
35 40 45

Cys Gln Ser Ser Gly Gly Ile Pro Lys Asn Met Glu Lys Leu Val Lys
50 55 60

Leu Ser Gly Ser His Leu Thr Pro Leu Cys Tyr Ser Phe Ile Ser Tyr
65 70 75 80

Val	Gln	Asn	Lys	Ser	Lys	Ser	Leu	Asn	Tyr	Thr	Gly	Glu	Lys	Lys	Glu
				85					90					95	
Lys	Pro	Ala	Ala	Val	Ala	Thr	Ala	Met	Ala	Arg	Val	Leu	Arg	Glu	Thr
			100					105					110		
Lys	Pro	Ile	Pro	Asn	Leu	Ile	Phe	Ala	Ile	Glu	Gln	Tyr	Glu	Lys	Phe
		115					120					125			
Leu	Ile	His	Leu	Ser	Lys	Lys	Ser	Lys	Val	Asn	Leu	Met	Gln	His	Met
	130					135					140				
Lys	Leu	Ser	Thr	Ser	Arg	Asp	Phe	Lys	Ile	Lys	Gly	Asn	Ile	Leu	Asp
145					150					155					160
Met	Val	Leu	Arg	Glu	Asp	Gly	Glu	Asp	Glu	Asn	Glu	Glu	Gly	Thr	Ala
				165					170					175	
Ser	Glu	His	Gly	Gly	Gln	Asn	Lys	Glu	Pro	Ala	Lys	Lys	Lys	Arg	Lys
			180					185					190		

Lys

<210> 1697
 <211> 193
 <212> PRT
 <213> Homo sapiens

<400> 1697															
Met	Gln	Leu	Gly	Thr	Leu	Leu	Thr	Phe	Phe	His	Glu	Leu	Val	Gln	Thr
1				5					10					15	
Ala	Leu	Pro	Ser	Gly	Ser	Cys	Val	Asp	Thr	Leu	Leu	Lys	Asp	Leu	Cys
			20					25					30		
Lys	Met	Tyr	Thr	Thr	Leu	Thr	Ala	Leu	Val	Arg	Tyr	Tyr	Leu	Gln	Val
		35					40					45			
Cys	Gln	Ser	Ser	Gly	Gly	Ile	Pro	Lys	Asn	Met	Glu	Lys	Leu	Val	Lys
	50					55					60				
Leu	Ser	Gly	Ser	His	Leu	Thr	Pro	Leu	Cys	Tyr	Ser	Phe	Ile	Ser	Tyr
65					70					75					80
Val	Gln	Asn	Lys	Ser	Lys	Ser	Leu	Asn	Tyr	Thr	Gly	Glu	Lys	Lys	Glu
				85					90					95	
Lys	Pro	Ala	Ala	Val	Ala	Thr	Ala	Met	Ala	Arg	Val	Leu	Arg	Glu	Thr

50					55					60					
Gly	Glu	Arg	Asp	Asp	Gln	Gln	Val	Phe	Ile	Gln	Lys	Val	Val	Pro	Ser
65					70					75					80
Ala	Ser	Gln	Leu	Phe	Val	Arg	Leu	Ser	Ser	Thr	Gly	Gln	Arg	Val	Cys
				85					90					95	
Ser	Val	Arg	Ser	Val	Asp	Gly	Ser	Pro	Thr	Thr	Ala	Phe	Thr	Val	Leu
			100					105					110		
Glu	Cys	Glu	Gly	Ser	Arg	Arg	Leu	Gly	Ser	Arg	Pro	Arg	Arg	Tyr	Leu
	115						120					125			
Leu	Thr	Gly	Gln	Ala	Asn	Gly	Ser	Leu	Ala	Met	Trp	Asp	Leu	Thr	Thr
	130					135					140				
Ala	Met	Asp	Gly	Leu	Gly	Gln	Ala	Pro	Ala	Gly	Gly	Leu	Thr	Glu	Gln
145					150					155					160
Glu	Leu	Met	Glu	Gln	Leu	Glu	His	Cys	Glu	Leu	Ala	Pro	Pro	Ala	Pro
				165					170					175	
Ser	Ala	Pro	Ser	Trp	Gly	Cys	Leu	Pro	Ser	Pro	Ser	Pro	Arg	Ile	Ser
			180					185					190		
Leu	Thr	Ser	Leu	His	Ser	Ala	Ser	Ser	Asn	Thr	Ser	Leu	Ser	Gly	His
		195					200					205			
Arg	Gly	Ser	Pro	Ser	Pro	Pro	Gln	Ala	Glu	Ala	Arg	Arg	Arg	Gly	Gly
	210					215					220				
Gly	Ser	Phe	Val	Glu	Arg	Cys	Gln	Glu	Leu	Val	Arg	Ser	Gly	Pro	Asp
225					230					235					240
Leu	Arg	Arg	Pro	Pro	Thr	Pro	Ala	Pro	Trp	Pro	Ser	Ser	Gly	Leu	Gly
				245					250					255	
Thr	Pro	Leu	Thr	Pro	Pro	Lys	Met	Lys	Leu	Asn	Glu	Thr	Ser	Phe	
			260					265					270		

<210> 1700

<211> 148

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (125)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1700
 Met Arg Ser Ser Cys Val Leu Leu Thr Ala Leu Val Ala Leu Ala Ala
 1 5 10 15
 Tyr Tyr Val Tyr Ile Pro Leu Pro Gly Ser Val Ser Asp Pro Trp Lys
 20 25 30
 Leu Met Leu Leu Asp Ala Thr Phe Arg Gly Ala Gln Gln Val Ser Asn
 35 40 45
 Leu Ile His Tyr Leu Gly Leu Ser His His Leu Leu Ala Leu Asn Phe
 50 55 60
 Ile Ile Val Ser Phe Gly Xaa Lys Ser Ala Trp Ser Ser Ala Gln Val
 65 70 75 80
 Lys Val Thr Asp Thr Asp Phe Asp Gly Val Glu Val Arg Val Phe Glu
 85 90 95
 Gly Pro Pro Lys Pro Glu Glu Pro Leu Lys Arg Ser Val Val Tyr Ile
 100 105 110
 His Gly Gly Gly Trp Ala Leu Ala Ser Ala Lys Ile Xaa Tyr Tyr Asp
 115 120 125
 Glu Leu Cys Thr Ala Met Ala Glu Glu Leu Asn Ala Ala Leu Phe Pro
 130 135 140

 Leu Asn Thr Gly
 145

<210> 1701
 <211> 148
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1701

Met	Arg	Ser	Ser	Cys	Val	Leu	Leu	Thr	Ala	Leu	Val	Ala	Leu	Ala	Ala
1				5					10				15		

Tyr	Tyr	Val	Tyr	Ile	Pro	Leu	Pro	Gly	Ser	Val	Ser	Asp	Pro	Trp	Lys
			20					25					30		

Leu	Met	Leu	Leu	Asp	Ala	Thr	Phe	Arg	Gly	Ala	Gln	Gln	Val	Ser	Asn
		35					40					45			

Leu	Ile	His	Tyr	Leu	Gly	Leu	Ser	His	His	Leu	Leu	Ala	Leu	Asn	Phe
	50					55					60				

Ile	Ile	Val	Ser	Phe	Gly	Xaa	Lys	Ser	Ala	Trp	Ser	Ser	Ala	Gln	Val
65					70					75					80

Lys	Val	Thr	Asp	Thr	Asp	Phe	Asp	Gly	Val	Glu	Val	Arg	Val	Phe	Glu
				85					90					95	

Gly	Pro	Pro	Lys	Pro	Glu	Glu	Pro	Leu	Lys	Arg	Ser	Val	Val	Tyr	Ile
			100					105					110		

His	Gly	Gly	Gly	Trp	Ala	Leu	Ala	Ser	Ala	Lys	Ile	Xaa	Tyr	Tyr	Asp
		115					120					125			

Glu	Leu	Cys	Thr	Ala	Met	Ala	Glu	Glu	Leu	Asn	Ala	Ala	Leu	Phe	Pro
	130					135					140				

Leu	Asn	Thr	Gly
145			

<210> 1702

<211> 408

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (223)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1702

Met	Arg	Ser	Ser	Cys	Val	Leu	Leu	Thr	Ala	Leu	Val	Ala	Leu	Ala	Ala
1				5					10				15		

Tyr	Tyr	Val	Tyr	Ile	Pro	Leu	Pro	Gly	Ser	Val	Ser	Asp	Pro	Trp	Lys
			20					25					30		

Leu	Met	Leu	Leu	Asp	Ala	Thr	Phe	Arg	Gly	Ala	Gln	Gln	Val	Ser	Asn		
		35					40					45					
Leu	Ile	His	Tyr	Leu	Gly	Leu	Ser	His	His	Leu	Leu	Ala	Leu	Asn	Phe		
	50					55					60						
Ile	Ile	Val	Ser	Phe	Gly	Gln	Lys	Ser	Ala	Trp	Ser	Ser	Ala	Gln	Val		
	65				70					75					80		
Lys	Val	Thr	Asp	Thr	Asp	Phe	Asp	Gly	Val	Glu	Val	Arg	Val	Phe	Glu		
				85					90					95			
Gly	Pro	Pro	Lys	Pro	Glu	Glu	Pro	Leu	Lys	Arg	Ser	Val	Val	Tyr	Ile		
			100					105					110				
His	Gly	Gly	Gly	Trp	Ala	Leu	Ala	Ser	Ala	Lys	Ile	Ser	Tyr	Tyr	Asp		
		115					120					125					
Glu	Leu	Cys	Thr	Ala	Met	Ala	Glu	Glu	Leu	Asn	Ala	Val	Ile	Val	Ser		
	130					135					140						
Ile	Glu	Tyr	Arg	Leu	Val	Pro	Lys	Val	Tyr	Phe	Pro	Glu	Gln	Ile	His		
145					150					155					160		
Asp	Val	Val	Arg	Ala	Thr	Lys	Tyr	Phe	Leu	Lys	Pro	Glu	Val	Leu	Gln		
				165					170					175			
Lys	Tyr	Met	Val	Asp	Pro	Gly	Arg	Ile	Cys	Ile	Ser	Gly	Asp	Ser	Ala		
		180						185					190				
Gly	Gly	Asn	Leu	Ala	Ala	Ala	Leu	Gly	Gln	Gln	Phe	Thr	Gln	Asp	Ala		
		195					200					205					
Ser	Leu	Lys	Asn	Lys	Leu	Lys	Leu	Gln	Ala	Leu	Ile	Tyr	Pro	Xaa	Leu		
	210					215					220						
Gln	Ala	Leu	Asp	Phe	Asn	Thr	Pro	Ser	Tyr	Gln	Gln	Asn	Val	Asn	Thr		
225					230					235					240		
Pro	Ile	Leu	Pro	Arg	Tyr	Val	Met	Val	Lys	Tyr	Trp	Val	Asp	Tyr	Phe		
				245					250					255			
Lys	Gly	Asn	Tyr	Asp	Phe	Val	Gln	Ala	Met	Ile	Val	Asn	Asn	His	Thr		
		260					265					270					
Ser	Leu	Asp	Val	Glu	Glu	Ala	Ala	Ala	Val	Arg	Ala	Arg	Leu	Asn	Trp		
	275					280					285						
Thr	Ser	Leu	Leu	Pro	Ala	Ser	Phe	Thr	Lys	Asn	Tyr	Lys	Pro	Val	Val		
	290					295					300						
Gln	Thr	Thr	Gly	Asn	Ala	Arg	Ile	Val	Gln	Glu	Leu	Pro	Gln	Leu	Leu		

305 310 315 320
 Asp Ala Arg Ser Ala Pro Leu Ile Ala Asp Gln Ala Val Leu Gln Leu
 325 330 335
 Leu Pro Lys Thr Tyr Ile Leu Thr Cys Glu His Asp Val Leu Arg Asp
 340 345 350
 Asp Gly Ile Met Tyr Ala Lys Arg Leu Glu Ser Ala Gly Val Glu Val
 355 360 365
 Thr Leu Asp His Phe Glu Asp Gly Phe His Gly Cys Met Ile Phe Thr
 370 375 380
 Ser Trp Pro Thr Asn Phe Ser Val Gly Ile Arg Thr Arg Asn Ser Tyr
 385 390 395 400
 Ile Lys Trp Leu Asp Gln Asn Leu
 405

<210> 1703
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 1703
 Met Met Phe Cys Phe Val Leu Phe Leu Arg Trp Ser Leu Ala Leu Leu
 1 5 10 15
 Pro Gly Trp Leu Ala Val Ala Arg Ser Arg Leu Thr Ala Ile Ser Cys
 20 25 30
 Phe Leu Gly Leu Ser Asp Ser Pro Ala Leu Ala Ser Arg Val Ala Gly
 35 40 45
 Thr Thr Gly Ala His His His Ala Arg Leu Val Phe Cys Ile Leu Val
 50 55 60
 Glu Thr Val Ser Pro Cys Trp Pro Gly Trp Ser Arg Ser Pro Asp Phe
 65 70 75 80
 Val Ile Cys Leu Pro Gln Thr Pro
 85

<210> 1704
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 1704

Met Met Phe Cys Phe Val Leu Phe Leu Arg Trp Ser Leu Ala Leu Leu
1 5 10 15
Pro Gly Trp Leu Ala Val Ala Arg Ser Arg Leu Thr Ala Ile Ser Cys
20 25 30
Phe Leu Gly Leu Ser Asp Ser Pro Ala Leu Ala Ser Arg Val Ala Gly
35 40 45
Thr Thr Gly Ala His His His Ala Arg Leu Val Phe Cys Ile Leu Val
50 55 60
Glu Thr Val Ser Pro Cys Trp Pro Gly Trp Ser Arg Ser Pro Asp Phe
65 70 75 80
Val Ile Cys Leu Pro Gln Thr Pro
85

<210> 1705

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1705

Met Ile Gly Tyr Arg Leu Cys Leu His Leu Leu Ser Leu Leu Gly Phe
1 5 10 15
Gln Pro Leu Pro Met Gly Leu Cys Arg Val Arg Glu Gln Lys Phe Lys
20 25 30
Gln Phe Ser Gly Leu Ser His Phe Ser Phe Arg Ile Ser Pro Val Thr
35 40 45
Phe Pro Ser Tyr Val His Ala Asp Ser Gln Pro Thr Arg Asp Lys Trp
50 55 60
Val Pro Trp Asp Leu Ser Ser Phe Thr Cys Met Cys Ala Glu Ala Ser
65 70 75 80
Lys Ser Ala Arg Asn Val Trp Thr Ala Leu Gln Thr Pro Leu
85 90

<210> 1706

<211> 61

<212> PRT

<213> Homo sapiens

<400> 1706

Ser Gln His Phe Gly Arg Pro Arg Trp Lys Asp Cys Leu Lys Pro Gly
1 5 10 15

Val Arg Asp Gln Pro Gly Gln His Ser Lys Thr Pro Ser Leu Cys Lys
20 25 30

Lys Lys Gly Ile Ile Leu Tyr Phe Leu Leu Ile Arg Phe Ile Cys Val
35 40 45

Ser Asn Leu His Leu Gln Phe Asp Phe Phe Ser Asp Leu
50 55 60

<210> 1707

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1707

Val Ile Phe Phe Phe Phe Phe Ser Cys Arg Glu Arg Val Cys Val Ala
1 5 10 15

Gln Ala Gly Leu Asn Phe Met Ala Ser Ser Tyr Ser Ala Ser Ala Ser
20 25 30

Arg Ser Ala Gly Asn Ile Gly Met Ser His His Thr Gln Pro Leu Cys
35 40 45

Leu Leu Ser Phe Ser Ile Ile Ile Asn Leu Phe Met Phe Ile His Ser
50 55 60

Pro Val Asp Glu Xaa Leu Gly Cys Phe Gln Phe Trp Ala Val Thr Asn
65 70 75 80

Lys Ala Pro Gly Asn Ile Cys Val Gln Lys Lys Lys Lys Lys Lys Lys
85 90 95

Lys Lys Lys Lys Lys
100

<210> 1708

<211> 123

<212> PRT
<213> Homo sapiens

<400> 1708

Met	Ala	Trp	Pro	Asn	Val	Phe	Gln	Arg	Gly	Ser	Leu	Leu	Ser	Gln	Phe
1				5					10					15	
Ser	His	His	His	Val	Val	Val	Phe	Leu	Leu	Thr	Phe	Phe	Ser	Tyr	Ser
			20					25					30		
Leu	Leu	His	Ala	Ser	Arg	Lys	Thr	Phe	Ser	Asn	Val	Lys	Val	Ser	Ile
		35					40					45			
Ser	Glu	Gln	Trp	Thr	Pro	Ser	Ala	Phe	Asn	Thr	Ser	Val	Glu	Leu	Pro
	50					55					60				
Leu	Glu	Ile	Trp	Ser	Ser	Asn	His	Leu	Phe	Pro	Ser	Ala	Glu	Lys	Ala
65					70					75					80
Thr	Leu	Phe	Leu	Gly	Thr	Leu	Asp	Thr	Ile	Phe	Leu	Phe	Ser	Tyr	Ala
				85					90					95	
Val	Gly	Leu	Phe	Ile	Ser	Gly	Ile	Val	Gly	Asp	Arg	Leu	Asn	Leu	Arg
		100						105					110		
Trp	Val	Leu	Leu	Leu	Ala	Cys	Ala	Leu	Leu	His					
		115					120								

<210> 1709
<211> 160
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1709

Leu	Pro	Asn	Cys	Tyr	Leu	Xaa	Asp	Thr	Ile	Glu	Gly	Thr	Pro	Ala	Gly
1				5					10					15	
Thr	Gly	Pro	Glu	Phe	Ala	Ala	Ala	Ser	Thr	Ser	Leu	Lys	Glu	Cys	Arg
			20					25					30		
Ala	Val	Ile	Ile	Ala	Ser	Arg	Gly	Gln	Pro	Val	Trp	Pro	Ala	Leu	Leu
		35					40					45			
Asp	Val	His	Ala	Val	Asp	Asp	Phe	Val	Val	Ser	Cys	Asn	Leu	Ala	His
	50					55					60				

Arg	Arg	Ala	Thr	Ile	Pro	Glu	Glu	Asp	Cys	Ser	Lys	Leu	Leu	Pro	Ser
65					70					75					80
Phe	Pro	Asp	His	Gly	Asp	Pro	Leu	Thr	Val	Phe	Ser	Pro	Ser	Asn	Val
			85						90					95	
Phe	Asp	Leu	Pro	Ser	Glu	Arg	Leu	Val	Leu	Ile	Leu	Gln	Gln	Val	Leu
			100					105					110		
Leu	Leu	Arg	Gly	Ile	Pro	Asp	Pro	Gln	Leu	Pro	Arg	His	Ile	Ser	Gly
		115					120					125			
Gly	Asn	Val	Glu	Ser	Ala	Gly	Arg	Ile	Leu	Gly	His	His	His	Leu	Met
	130					135					140				
Gly	Val	Leu	Cys	Val	Asp	Val	Ser	Lys	Gly	Trp	Val	Val	Asp	Val	Pro
145					150					155					160

<210> 1710
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 1710
 His His His Leu Met Gly Val Leu Cys Val Asp Val Ser Lys Gly Trp
 1 5 10 15

 Val Val Asp Val Pro
 20

<210> 1711
 <211> 185
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (163)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1711
 Met Ala Trp Pro Asn Val Phe Gln Arg Gly Ser Leu Leu Ser Gln Phe
 1 5 10 15

Ser His His His Val Val Val Phe Leu Leu Thr Phe Phe Ser Tyr Ser
 20 25 30
 Leu Leu His Ala Ser Arg Lys Thr Phe Ser Asn Val Lys Val Ser Ile
 35 40 45
 Ser Glu Gln Trp Thr Pro Ser Ala Phe Asn Thr Ser Val Glu Leu Pro
 50 55 60
 Leu Glu Ile Trp Ser Ser Asn His Leu Phe Pro Ser Ala Glu Lys Ala
 65 70 75 80
 Thr Leu Phe Leu Gly Thr Leu Asp Thr Ile Phe Leu Phe Ser Tyr Ala
 85 90 95
 Val Gly Leu Phe Ile Ser Gly Ile Val Gly Asp Arg Leu Asn Leu Arg
 100 105 110
 Trp Val Leu Ser Phe Gly Met Cys Ser Ser Ala Leu Val Val Phe Val
 115 120 125
 Phe Gly Ala Leu Thr Glu Trp Leu Arg Phe Tyr Asn Lys Trp Leu Tyr
 130 135 140
 Cys Cys Leu Trp Ile Val Asn Gly Leu Leu Gln Ser Thr Gly Trp Pro
 145 150 155 160
 Cys Val Xaa Ala Val Met Gly Asn Trp Phe Gly Lys Ala Gly Tyr Ala
 165 170 175
 Thr Ser Phe Leu Ser Asn Phe Ser Val
 180 185

<210> 1712

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1712

Met Arg Val Ser Cys Ser Arg Ser Cys Cys Ser Leu Xaa Xaa Ile Ser

1	5	10	15
Leu Ser Leu Arg Leu Val Ala Ser Cys Leu Pro Cys Cys Leu Cys Leu	20	25	30
Ser Ala Ala Pro Arg Met Gln Glu Glu Pro Gly His Leu Arg Pro Ser	35	40	45
Arg Ala Arg Pro Leu Glu Gly Pro Ser Trp Asp Ser Pro Ser Leu Ala	50	55	60
Pro Pro Ala Ser Ala Gln Arg Pro Leu Pro Pro Pro Val Ser Arg Ile	65	70	75
Leu Pro Ala Thr Ser Gly Arg Ala Gly Arg Trp Cys Gly Trp Ala Pro	85	90	95
Cys Pro Lys Thr Ala Ala	100		

<210> 1713
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1713
Val Trp Ala Arg Trp Pro Met Leu Ser Ile Pro Ala Ala Gln Gly Gly
1 5 10 15
Arg Leu Leu Glu Pro Lys His Ser Arg Leu Ala Trp Glu Thr Xaa Gln
20 25 30
Asp Pro Val Ser Thr Lys Thr Phe Lys Met Ser Gln Val Ala Gly Cys
35 40 45
Gly Gly Ser Cys Leu
50

<210> 1714
 <211> 173
 <212> PRT
 <213> Homo sapiens

<400> 1714

Met Leu Gln Pro Ala Pro Tyr Lys Pro Leu Pro Glu Val Gly Gly Leu
1 5 10 15

Leu Ser Ser Leu Leu Pro Leu Pro Leu Cys Ser Pro Gln Asp Ala Gly
20 25 30

Gly Ala Trp Thr Pro Ser Ala Gln Ser Gly Gln Ala Ser Gly Arg Pro
35 40 45

Phe Met Gly Leu Ser Ile Leu Gly Pro Ala Gly Leu Arg Pro Thr Ser
50 55 60

Ser Ser Ser Ser Ser Phe Pro Tyr Pro Ser Arg His Phe Gly Gln Gly
65 70 75 80

Trp Glu Val Val Arg Met Gly Ala Met Pro Gln Asn Ser Ser Leu Ser
85 90 95

Thr Ala Val Pro Ser Gly Met Gly Asp Gly Cys Gln Val Phe Trp Pro
100 105 110

Pro Ala Pro Cys Arg Ser Gln Leu Ser Pro Pro Ala Ser Gly Ser Phe
115 120 125

Pro Leu Phe Ser Pro Leu Gln Ala Pro Pro Ser Pro Ser Ser Asp Pro
130 135 140

Ala Gln Ala Pro Gly Ser Cys Gly Ser Ser Ser Gln Pro Arg His Ala
145 150 155 160

Pro Cys Ser Pro Pro Leu Pro Leu Ala Ala Pro Ser Ser
165 170

<210> 1715

<211> 102

<212> PRT

<213> Homo sapiens

<400> 1715

Met Arg Val Ser Cys Ser Arg Ser Cys Cys Ser Leu Pro Pro Ile Ser
1 5 10 15

Leu Ser Leu Arg Leu Val Ala Ser Cys Leu Pro Cys Cys Leu Cys Leu
20 25 30

Ser Ala Ala Pro Arg Met Gln Glu Glu Pro Gly His Leu Arg Pro Ser
35 40 45

Arg Ala Arg Pro Leu Glu Gly Pro Ser Trp Asp Ser Pro Ser Leu Ala

50		55		60											
Pro	Pro	Ala	Ser	Ala	Gln	Arg	Pro	Leu	Pro	Pro	Pro	Val	Ser	Arg	Ile
65					70				75						80
Leu	Pro	Ala	Thr	Ser	Gly	Arg	Ala	Gly	Arg	Trp	Cys	Gly	Trp	Ala	Pro
				85					90					95	
Cys	Pro	Lys	Thr	Ala	Ala										
			100												

<210> 1716
 <211> 180
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (140)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1716
Met Pro Ala Pro Ala Arg Ser Cys Gln Arg Ala Ala Leu Ser Leu Trp
1 5 10 15
Ala Ser Gly Leu Gly Trp Leu Ser Ala Gln Pro Thr Val Ala Phe Arg
20 25 30
Gly Ser Ser Trp Asp Trp Glu Pro Pro Gln Gly Gln Ala Asp Gly Val
35 40 45
Arg Phe Val Leu Gly Leu Val Leu Pro Met Leu Gly Gly Gly Ala
50 55 60
Pro Arg Thr Asp Gln Pro Cys Phe Ser Cys Asn Ala Val Thr Leu Ser
65 70 75 80
Leu Asn Thr Trp Ile His Val Trp Pro Gly Leu Ala Gly Ser Arg Ser
85 90 95
Pro Ala Arg Val Gly Ser His Gly Pro Ala Leu Glu Pro Pro Ser Gly
100 105 110
Pro Gly Ala Ala Glu Ala Ala Ser Glu Gly Leu Pro Arg Pro Ala Phe
115 120 125
His Arg Trp Gly Ala Gln Pro Ser Lys Ala Ala Xaa Thr Pro Pro Arg
130 135 140
Pro Val Cys Gln Gly Ala Gly His Asn Pro Ala Gly Pro Arg Thr Gly

145		150		155		160									
Leu	Gln	Ala	Ser	Pro	Cys	Ala	Pro	Ala	Gly	Arg	Pro	Cys	Ser	Arg	Glu
				165					170					175	

Glu Val Leu Gly
180

<210> 1717
 <211> 131
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1717
 Glu Ala Lys Gly Thr Ala Met Gln Arg Pro Trp Gly Arg Thr Ala Pro
 1 5 10 15

Gly Met Arg Glu Glu Gln Ser Xaa Glu Arg Arg Ala Gly Arg Ala Gly
 20 25 30

Pro Cys Gly Pro Gln Gly Gly Leu Gly His Leu Pro Arg Gly Ser Gly
 35 40 45

Ala Pro Gly Cys Val Ser Arg Trp Glu Arg Gln Gly Arg Ile Cys Gly
 50 55 60

Asp Leu Thr Arg Ala Gly Glu Ala Glu Thr Arg Val Gln Pro Pro Pro
 65 70 75 80

Pro Lys Ala Gly Pro Ser Gln Arg Arg Gly Arg Ala Gly Gln Glu Val
 85 90 95

Ser Gly Cys Leu Leu Gly Leu Val Trp Phe Cys Phe Val Leu Phe Ile
 100 105 110

Val Val Lys Tyr Lys Ile Tyr Arg Leu Xaa Xaa Lys Lys Lys Lys Lys
 115 120 125

Gly Arg Pro
 130

<210> 1718

<211> 180

<212> PRT

<213> Homo sapiens

<400> 1718

Met Pro Ala Pro Ala Arg Ser Cys Gln Arg Ala Ala Leu Ser Leu Trp
 1 5 10 15

Ala Ser Gly Leu Gly Trp Leu Ser Ala Gln Pro Thr Val Ala Phe Arg
 20 25 30

Gly Ser Ser Trp Asp Trp Glu Pro Pro Gln Gly Gln Ala Asp Gly Val
 35 40 45

Arg Phe Val Leu Gly Leu Val Leu Pro Met Leu Gly Gly Gly Gly Ala
 50 55 60

Pro Arg Thr Asp Gln Pro Cys Phe Ser Cys Asn Ala Val Thr Leu Ser
 65 70 75 80

Leu Asn Thr Trp Ile His Val Trp Pro Gly Leu Ala Gly Ser Arg Ser
 85 90 95

Pro Ala Arg Val Gly Ser His Gly Pro Ala Leu Glu Pro Pro Ser Gly
 100 105 110

Pro Gly Ala Ala Glu Ala Ala Ser Glu Gly Leu Pro Arg Pro Ala Phe
 115 120 125

His Arg Trp Gly Ala Gln Pro Ser Lys Ala Ala Glu Thr Pro Pro Arg
 130 135 140

Pro Val Cys Gln Gly Ala Gly His Asn Pro Ala Gly Pro Arg Thr Gly
 145 150 155 160

Leu Gln Ala Ser Pro Cys Ala Pro Ala Gly Arg Pro Cys Ser Arg Glu
 165 170 175

Glu Val Leu Gly
 180

<210> 1719
 <211> 177
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (124)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (148)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (172)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1719
 Met Val Gly Lys Ile Lys Arg Leu Lys Lys Ser Ala Phe Val Val Leu
 1 5 10 15

Ile Leu Leu Ile Thr Ala Lys Leu Leu Val Leu Pro Leu Leu Cys Arg
 20 25 30

Glu Met Val Glu Leu Leu Asp Lys Gly Asp Ser Val Val Asn His Thr
 35 40 45

Ser Leu Ser Asn Tyr Ala Phe Leu Tyr Gly Val Phe Pro Val Ala Pro
 50 55 60

Gly Val Ala Ile Phe Ala Thr Gln Phe Asn Met Glu Val Glu Ile Ile
 65 70 75 80

Thr Ser Gly Met Val Ile Ser Thr Phe Val Ser Ala Pro Ile Met Tyr

				85					90					95			
Val	Ser	Ala	Trp	Leu	Leu	Thr	Phe	Pro	Thr	Met	Asp	Pro	Lys	Pro	Leu		
			100					105					110				
Ala	Tyr	Ala	Ile	Gln	Asn	Val	Xaa	Phe	Asp	Ile	Xaa	Ile	Xaa	Ser	Leu		
		115					120					125					
Ile	Ser	Leu	Ile	Trp	Ser	Leu	Ala	Ile	Leu	Leu	Leu	Ser	Lys	Lys	Tyr		
	130					135						140					
Lys	Gln	Leu	Xaa	His	Met	Leu	Thr	Thr	Asn	Leu	Leu	Ile	Ala	Gln	Ser		
145					150					155					160		
Ile	Val	Cys	Ala	Gly	Met	Met	Ile	Trp	Asn	Xaa	Xaa	Lys	Glu	Lys	Asn		
				165					170						175		

Phe

<210> 1720
 <211> 447
 <212> PRT
 <213> Homo sapiens

<400> 1720

Thr	Thr	Thr	Lys	Phe	Ala	Ala	Ala	Ser	Thr	Phe	His	Pro	Ala	Ser	Lys
1				5					10					15	
Ser	Asn	Ile	Lys	Lys	Val	Trp	Met	Ala	Glu	Gln	Lys	Ile	Ser	Tyr	Asp
			20					25					30		
Lys	Lys	Lys	Gln	Glu	Glu	Leu	Met	Gln	Gln	Tyr	Leu	Lys	Glu	Gln	Glu
		35					40					45			
Ser	Tyr	Asp	Asn	Arg	Leu	Leu	Met	Gly	Asp	Glu	Arg	Val	Lys	Asn	Gly
	50					55					60				
Leu	Asn	Phe	Met	Tyr	Glu	Ala	Pro	Pro	Gly	Ala	Lys	Lys	Glu	Asn	Lys
65					70					75					80
Glu	Lys	Glu	Glu	Thr	Glu	Gly	Glu	Thr	Glu	Tyr	Lys	Phe	Glu	Trp	Gln
				85					90					95	
Lys	Gly	Ala	Pro	Arg	Glu	Lys	Tyr	Ala	Lys	Asp	Asp	Met	Asn	Ile	Arg
		100						105					110		
Asp	Gln	Pro	Phe	Gly	Ile	Gln	Val	Arg	Asn	Val	Arg	Cys	Ile	Lys	Cys
	115						120					125			

His	Lys	Trp	Gly	His	Val	Asn	Thr	Asp	Arg	Glu	Cys	Pro	Leu	Phe	Gly	
130						135					140					
Leu	Ser	Gly	Ile	Asn	Ala	Ser	Ser	Val	Pro	Thr	Asp	Gly	Ser	Gly	Pro	
145					150					155					160	
Ser	Met	His	Pro	Ser	Glu	Leu	Ile	Ala	Glu	Met	Arg	Asn	Ser	Gly	Phe	
				165					170					175		
Ala	Leu	Lys	Arg	Asn	Val	Leu	Gly	Arg	Asn	Leu	Thr	Ala	Asn	Asp	Pro	
			180					185					190			
Ser	Gln	Glu	Tyr	Val	Ala	Ser	Glu	Gly	Glu	Glu	Asp	Pro	Glu	Val	Glu	
		195					200					205				
Phe	Leu	Lys	Ser	Leu	Thr	Thr	Lys	Gln	Lys	Gln	Lys	Leu	Leu	Arg	Lys	
	210					215					220					
Leu	Asp	Arg	Leu	Glu	Lys	Lys	Lys	Lys	Lys	Lys	Asp	Arg	Lys	Lys	Lys	
225					230					235					240	
Lys	Phe	Gln	Lys	Ser	Arg	Ser	Lys	His	Lys	Lys	His	Lys	Ser	Ser	Ser	
				245					250					255		
Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Thr	Glu	Thr	Ser	Glu	
			260						265				270			
Ser	Ser	Ser	Glu	Ser	Glu	Ser	Asn	Asn	Lys	Glu	Lys	Lys	Ile	Gln	Arg	
		275					280					285				
Lys	Lys	Arg	Lys	Lys	Asn	Lys	Cys	Ser	Gly	His	Asn	Asn	Ser	Asp	Ser	
	290					295					300					
Glu	Glu	Lys	Asp	Lys	Ser	Lys	Lys	Arg	Lys	Leu	His	Glu	Glu	Leu	Ser	
305					310					315					320	
Ser	Ser	His	His	Asn	Arg	Glu	Lys	Ala	Lys	Glu	Lys	Pro	Arg	Phe	Leu	
				325					330					335		
Lys	His	Glu	Ser	Ser	Arg	Glu	Asp	Ser	Lys	Trp	Ser	His	Ser	Asp	Ser	
			340					345					350			
Asp	Lys	Lys	Ser	Arg	Thr	His	Lys	His	Ser	Pro	Glu	Lys	Arg	Gly	Ser	
		355					360					365				
Glu	Arg	Lys	Glu	Gly	Ser	Ser	Arg	Ser	His	Gly	Arg	Glu	Glu	Arg	Ser	
	370					375					380					
Arg	Arg	Ser	Arg	Ser	Arg	Ser	Pro	Gly	Ser	Tyr	Lys	Gln	Arg	Glu	Thr	
385					390					395					400	
Arg	Lys	Arg	Ala	Gln	Arg	Asn	Pro	Gly	Glu	Glu	Gln	Ser	Arg	Arg	Asn	

405							410							415						
Asp	Ser	Arg	Ser	His	Gly	Thr	Asp	Leu	Tyr	Arg	Gly	Glu	Lys	Met	Tyr					
420							425							430						

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<210> 1721
<211> 177
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (171)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 1721
Met Val Gly Lys Ile Lys Arg Leu Lys Lys Ser Ala Phe Val Val Leu
  1             5             10             15
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Ser Leu Ser Asn Tyr Ala Phe Leu Tyr Gly Val Phe Pro Val Ala Pro
50 55 60

Gly	Val	Ala	Ile	Phe	Ala	Thr	Gln	Phe	Asn	Met	Glu	Val	Glu	Ile	Ile
65					70					75					80
Thr	Ser	Gly	Met	Val	Ile	Ser	Thr	Phe	Val	Ser	Ala	Pro	Ile	Met	Tyr
				85					90					95	
Val	Xaa	Ala	Trp	Leu	Leu	Thr	Phe	Pro	Thr	Met	Asp	Pro	Lys	Pro	Leu
			100					105					110		
Ala	Tyr	Ala	Ile	Gln	Asn	Val	Ser	Phe	Asp	Ile	Ser	Ile	Val	Ser	Leu
		115					120					125			
Ile	Ser	Leu	Ile	Trp	Xaa	Leu	Ala	Ile	Leu	Leu	Leu	Ser	Lys	Lys	Tyr
	130					135					140				
Lys	Gln	Leu	Xaa	His	Met	Leu	Thr	Thr	Asn	Leu	Leu	Ile	Ala	Gln	Ser
145					150					155					160
Ile	Val	Cys	Ala	Gly	Met	Met	Ile	Trp	Asn	Xaa	Xaa	Lys	Glu	Lys	Asn
				165					170					175	

Phe

<210> 1722

<211> 227

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1722

Met	Val	Gly	Lys	Ile	Lys	Arg	Leu	Lys	Lys	Ser	Ala	Phe	Val	Val	Leu
1				5					10					15	
Ile	Leu	Leu	Ile	Thr	Ala	Lys	Leu	Leu	Val	Leu	Pro	Leu	Leu	Cys	Arg
			20					25					30		
Glu	Met	Val	Glu	Leu	Leu	Asp	Lys	Gly	Asp	Ser	Val	Val	Asn	His	Thr
		35					40					45			
Ser	Leu	Ser	Asn	Tyr	Ala	Phe	Leu	Tyr	Gly	Val	Phe	Pro	Val	Ala	Pro
	50					55					60				
Gly	Val	Ala	Ile	Phe	Ala	Thr	Gln	Phe	Asn	Met	Glu	Val	Glu	Ile	Ile
65					70					75					80

Thr Ser Gly Met Val Ile Ser Thr Phe Val Ser Ala Pro Ile Met Tyr
 85 90 95
 Val Ser Ala Trp Leu Leu Thr Phe Pro Thr Met Asp Pro Lys Pro Leu
 100 105 110
 Ala Tyr Ala Ile Gln Asn Val Ser Phe Asp Ile Ser Ile Val Ser Leu
 115 120 125
 Ile Ser Leu Ile Trp Ser Leu Ala Ile Leu Leu Leu Ser Lys Lys Tyr
 130 135 140
 Lys Gln Leu Pro His Met Leu Thr Thr Asn Leu Leu Ile Ala Gln Ser
 145 150 155 160
 Ile Val Cys Ala Gly Met Met Ile Trp Asn Xaa Val Lys Glu Lys Asn
 165 170 175
 Phe Val Gly Gln Ile Leu Val Phe Val Leu Leu Tyr Ser Ser Leu Tyr
 180 185 190
 Ser Thr Tyr Leu Trp Thr Gly Leu Leu Ala Ile Ser Leu Phe Leu Leu
 195 200 205
 Lys Lys Arg Glu Arg Val Gln Ile Pro Val Gly Ile Ile Ile Ile Ser
 210 215 220
 Gly Trp Gly
 225

<210> 1723
 <211> 227
 <212> PRT
 <213> Homo sapiens

<400> 1723
 Met Val Gly Lys Ile Lys Arg Leu Lys Lys Ser Ala Phe Val Val Leu
 1 5 10 15
 Ile Leu Leu Ile Thr Ala Lys Leu Leu Val Leu Pro Leu Leu Cys Arg
 20 25 30
 Glu Met Val Glu Leu Leu Asp Lys Gly Asp Ser Val Val Asn His Thr
 35 40 45
 Ser Leu Ser Asn Tyr Ala Phe Leu Tyr Gly Val Phe Pro Val Ala Pro
 50 55 60
 Gly Val Ala Ile Phe Ala Thr Gln Phe Asn Met Glu Val Glu Ile Ile

65				70				75				80			
Thr	Ser	Gly	Met	Val	Ile	Ser	Thr	Phe	Val	Ser	Ala	Pro	Ile	Met	Tyr
				85					90					95	
Val	Ser	Ala	Trp	Leu	Leu	Thr	Phe	Pro	Thr	Met	Asp	Pro	Lys	Pro	Leu
100								105					110		
Ala	Tyr	Ala	Ile	Gln	Asn	Val	Ser	Phe	Asp	Ile	Ser	Ile	Val	Ser	Leu
115								120					125		
Ile	Ser	Leu	Ile	Trp	Ser	Leu	Ala	Ile	Leu	Leu	Leu	Ser	Lys	Lys	Tyr
130				135				140							
Lys	Gln	Leu	Pro	His	Met	Leu	Thr	Thr	Asn	Leu	Leu	Ile	Ala	Gln	Ser
145				150				155				160			
Ile	Val	Cys	Ala	Gly	Met	Met	Ile	Trp	Asn	Phe	Val	Lys	Glu	Lys	Asn
				165					170				175		
Phe	Val	Gly	Gln	Ile	Leu	Val	Phe	Val	Leu	Leu	Tyr	Ser	Ser	Leu	Tyr
180								185				190			
Ser	Thr	Tyr	Leu	Trp	Thr	Gly	Leu	Leu	Ala	Ile	Ser	Leu	Phe	Leu	Leu
195				200				205							
Lys	Lys	Arg	Glu	Arg	Val	Gln	Ile	Pro	Val	Gly	Ile	Ile	Ile	Ile	Ser
210				215				220							
Gly	Trp	Gly													
225															

Leu His Gly Val Leu Trp Leu Val Phe Gly Leu Gly Pro Ser Met Gly
 20 25 30
 Phe Tyr Gln Arg Phe Pro Leu Ser Phe Gly Phe Gln Arg Leu Arg Ser
 35 40 45
 Pro Asp Gly Pro Ala Ser Pro Thr Phe Gly Ala Arg Xaa Pro Ala Trp
 50 55 60
 Gly Gly Ile Arg Ala Val Val Ala Cys Asn Arg Arg Gly Thr Gly Gln
 65 70 75 80
 Arg Xaa Thr Arg Ala Lys Leu
 85

<210> 1725
 <211> 146
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (140)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1725
 Met Gln Trp Arg Ala Leu Val Leu Gly Leu Val Leu Leu Arg Leu Gly
 1 5 10 15
 Leu His Gly Val Leu Trp Leu Val Phe Gly Leu Gly Pro Ser Met Gly
 20 25 30
 Phe Tyr Gln Arg Phe Pro Leu Ser Phe Gly Phe Gln Arg Leu Arg Ser
 35 40 45
 Pro Asp Gly Pro Ala Ser Pro Thr Ser Gly Pro Val Gly Arg Pro Gly
 50 55 60
 Gly Val Ser Gly Pro Ser Trp Leu Gln Pro Pro Gly Thr Gly Ala Ala

65		70		75		80									
Gln	Ser	Pro	Arg	Lys	Ala	Pro	Arg	Arg	Pro	Gly	Pro	Gly	Met	Cys	Gly
				85					90					95	
Pro	Ala	Asn	Trp	Gly	Tyr	Val	Leu	Gly	Arg	Pro	Gly	Arg	Gly	Pro	Asp
			100					105					110		
Glu	Tyr	Xaa	Glu	Ala	Ala	Thr	Ala	Ala	Pro	Xaa	Leu	Arg	Asn	Leu	Arg
		115					120					125			
Ala	Arg	Cys	Pro	Glu	Leu	Ala	Arg	Gly	Met	Val	Xaa	Phe	Trp	Ala	Thr
	130					135					140				
Thr	Leu														
145															

<210> 1726
 <211> 405
 <212> PRT
 <213> Homo sapiens

<400> 1726

Met	Gln	Trp	Arg	Ala	Leu	Val	Leu	Gly	Leu	Val	Leu	Leu	Arg	Leu	Gly
1				5				10					15		
Leu	His	Gly	Val	Leu	Trp	Leu	Val	Phe	Gly	Leu	Gly	Pro	Ser	Met	Gly
		20						25					30		
Phe	Tyr	Gln	Arg	Phe	Pro	Leu	Ser	Phe	Gly	Phe	Gln	Arg	Leu	Arg	Ser
		35					40					45			
Pro	Asp	Gly	Pro	Ala	Ser	Pro	Thr	Ser	Gly	Pro	Val	Gly	Arg	Pro	Gly
	50					55					60				
Gly	Val	Ser	Gly	Pro	Ser	Trp	Leu	Gln	Pro	Pro	Gly	Thr	Gly	Ala	Ala
65					70				75					80	
Gln	Ser	Pro	Arg	Lys	Ala	Pro	Arg	Arg	Pro	Gly	Pro	Gly	Met	Cys	Gly
				85					90					95	
Pro	Ala	Asn	Trp	Gly	Tyr	Val	Leu	Gly	Gly	Arg	Gly	Arg	Gly	Pro	Asp
			100					105					110		
Glu	Tyr	Glu	Lys	Arg	Tyr	Ser	Gly	Ala	Phe	Pro	Pro	Gln	Leu	Arg	Ala
		115					120					125			
Gln	Met	Arg	Asp	Leu	Ala	Arg	Gly	Met	Phe	Val	Phe	Gly	Tyr	Asp	Asn
	130					135					140				

Tyr	Met	Ala	His	Ala	Phe	Pro	Gln	Asp	Glu	Leu	Asn	Pro	Ile	His	Cys	
145					150					155					160	
Arg	Gly	Arg	Gly	Pro	Asp	Arg	Gly	Asp	Pro	Ser	Asn	Leu	Asn	Ile	Asn	
				165					170					175		
Asp	Val	Leu	Gly	Asn	Tyr	Ser	Leu	Thr	Leu	Val	Asp	Ala	Leu	Asp	Thr	
			180					185					190			
Leu	Ala	Ile	Met	Gly	Asn	Ser	Ser	Glu	Phe	Gln	Lys	Ala	Val	Lys	Leu	
		195					200					205				
Val	Ile	Asn	Thr	Val	Ser	Phe	Asp	Lys	Asp	Ser	Thr	Val	Gln	Val	Phe	
	210					215					220					
Glu	Ala	Thr	Ile	Arg	Val	Leu	Gly	Ser	Leu	Leu	Ser	Ala	His	Arg	Ile	
225					230					235					240	
Ile	Thr	Asp	Ser	Lys	Gln	Pro	Phe	Gly	Asp	Met	Thr	Ile	Lys	Asp	Tyr	
				245					250					255		
Asp	Asn	Glu	Leu	Leu	Tyr	Met	Ala	His	Asp	Leu	Ala	Val	Arg	Leu	Leu	
			260					265					270			
Pro	Ala	Phe	Glu	Asn	Thr	Lys	Thr	Gly	Ile	Pro	Tyr	Pro	Arg	Val	Asn	
		275					280					285				
Leu	Lys	Thr	Gly	Val	Pro	Pro	Asp	Thr	Asn	Asn	Glu	Thr	Cys	Thr	Ala	
	290					295					300					
Gly	Ala	Gly	Ser	Leu	Leu	Val	Glu	Phe	Gly	Ile	Leu	Ser	Arg	Leu	Leu	
305					310					315					320	
Gly	Asp	Ser	Thr	Phe	Glu	Trp	Val	Ala	Arg	Arg	Ala	Val	Lys	Ala	Leu	
				325					330					335		
Trp	Asn	Leu	Arg	Ser	Asn	Asp	Thr	Gly	Leu	Leu	Gly	Val	Ala	Pro	Phe	
			340					345					350			
Leu	Ala	Ile	Gly	Thr	Ala	His	Cys	Leu	Val	Pro	Phe	Ser	Phe	His	Leu	
		355					360					365				
Leu	Trp	Ala	Leu	Pro	Pro	Phe	Tyr	Ser	Ser	Thr	Gln	Leu	Thr	Thr	Gln	
	370					375					380					
Gln	Glu	Leu	Cys	Gln	Leu	Tyr	Leu	Ile	Ser	Leu	Cys	Asp	Pro	Leu	Gln	
385					390					395					400	
Arg	Gly	Cys	Met	Val												
				405												

<210> 1727
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1727
 Met Ile Leu Trp Leu Asp Trp Ala Leu Phe Leu Leu Val Phe Pro Gly
 1 5 10 15
 Gln Phe Phe Cys Trp Phe Cys Leu Gly Ser Leu Met Arg Leu Gln Val
 20 25 30
 Ala Ala Gly Ser Ala Ser Val Trp Gly Ser Ala Gly Met Thr Trp Pro
 35 40 45
 Leu Ser Ala Cys Gly Pro Leu Ser Ser Met Met Val Ser Gly Phe Gln
 50 55 60
 Ala Ser Lys Pro Gln Cys Thr Ser Ile Tyr Pro Ala Phe Ala Cys Ile
 65 70 75 80
 Ala Leu Ala His Val Ser Leu Ala Lys Thr Asp His Val Ala Lys Leu
 85 90 95
 Arg Val Ser Val Gly Arg Val Tyr Thr Ser Ala Trp Ile Leu Lys Gly
 100 105 110
 Met Ile His Xaa Gly Pro Leu Xaa
 115 120

<210> 1728
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1728

Lys Tyr Ser Tyr Cys Ser His Leu His Phe Xaa Met Asn Glu Ser Ala
1 5 10 15

Leu Phe Cys Ser Asn Phe His Trp Lys Pro Val Gly Ser Glu Arg Leu
20 25 30

Trp Pro Pro Leu Ile Ile Tyr Asp Leu Lys Pro Ala Cys Asn Arg Glu
35 40 45

Pro Leu Gln Ser Leu
50

<210> 1729

<211> 120

<212> PRT

<213> Homo sapiens

<400> 1729

Met Ile Leu Trp Leu Asp Trp Ala Leu Phe Leu Leu Val Phe Pro Gly
1 5 10 15

Gln Phe Phe Cys Trp Phe Cys Leu Gly Ser Leu Met Arg Leu Gln Val
20 25 30

Ala Ala Gly Ser Ala Ser Val Trp Gly Ser Ala Gly Met Thr Trp Pro
35 40 45

Leu Ser Ala Cys Gly Pro Leu Ser Ser Met Met Val Ser Gly Phe Gln
50 55 60

Ala Ser Lys Pro Gln Cys Thr Ser Ile Tyr Pro Ala Phe Ala Cys Ile
65 70 75 80

Ala Leu Ala His Val Ser Leu Ala Lys Thr Asp His Val Ala Lys Leu
85 90 95

Arg Val Ser Val Gly Arg Val Tyr Thr Ser Ala Trp Ile Leu Lys Gly
100 105 110

Met Ile His Trp Gly Pro Leu Leu
115 120

<210> 1730

<211> 485

<212> PRT

<213> Homo sapiens

<400> 1730

Met Leu Pro Thr Phe Leu Leu Met Asn Leu Leu Ser Leu Ala Gly Asp
1 5 10 15

Val Ala Leu Gln Gln Leu Val His Leu Glu Gln Ala Val Ser Gly Glu
20 25 30

Leu Cys Arg Arg Arg Val Leu Arg Glu Glu Gln Glu His Lys Thr Lys
35 40 45

Asp Pro Lys Glu Lys Asn Thr Ser Ser Glu Thr Thr Met Glu Glu Glu
50 55 60

Leu Gly Leu Val Gly Ala Thr Ala Asp Asp Thr Glu Ala Glu Leu Ile
65 70 75 80

Arg Gly Ile Cys Glu Met Glu Leu Leu Asp Gly Lys Gln Thr Leu Ala
85 90 95

Ala Phe Val Pro Leu Leu Leu Lys Val Cys Asn Asn Pro Gly Leu Tyr
100 105 110

Ser Asn Pro Asp Leu Ser Ala Ala Ala Ser Leu Ala Leu Gly Lys Phe
115 120 125

Cys Met Ile Ser Ala Thr Phe Cys Asp Ser Gln Leu Arg Leu Leu Phe
130 135 140

Thr Met Leu Glu Lys Ser Pro Leu Pro Ile Val Arg Ser Asn Leu Met
145 150 155 160

Val Ala Thr Gly Asp Leu Ala Ile Arg Phe Pro Asn Leu Val Asp Pro
165 170 175

Trp Thr Pro His Leu Tyr Ala Arg Leu Arg Asp Pro Ala Gln Gln Val
180 185 190

Arg Lys Thr Ala Gly Leu Val Met Thr His Leu Ile Leu Lys Asp Met
195 200 205

Val Lys Val Lys Gly Gln Val Ser Glu Met Ala Val Leu Leu Ile Asp
210 215 220

Pro Glu Pro Gln Ile Ala Ala Leu Ala Lys Asn Phe Phe Asn Glu Leu
225 230 235 240

Ser His Lys Gly Asn Ala Ile Tyr Asn Leu Leu Pro Asp Ile Ile Ser
245 250 255

Arg Leu Ser Asp Pro Glu Leu Gly Val Glu Glu Glu Pro Phe His Thr
260 265 270

Ile Met Lys Gln Leu Leu Ser Tyr Ile Thr Lys Asp Lys Gln Thr Glu
 275 280 285
 Ser Leu Val Glu Lys Leu Cys Gln Arg Phe Arg Thr Ser Arg Thr Glu
 290 295 300
 Arg Gln Gln Arg Asp Leu Ala Tyr Cys Val Ser Gln Leu Pro Leu Thr
 305 310 315 320
 Glu Arg Gly Leu Arg Lys Met Leu Asp Asn Phe Asp Cys Phe Gly Asp
 325 330 335
 Lys Leu Ser Asp Glu Ser Ile Phe Ser Ala Phe Leu Ser Val Val Gly
 340 345 350
 Lys Leu Arg Arg Gly Ala Lys Pro Glu Gly Lys Ala Ile Ile Asp Glu
 355 360 365
 Phe Glu Gln Lys Leu Arg Ala Cys His Thr Arg Gly Leu Asp Gly Ile
 370 375 380
 Lys Glu Leu Glu Ile Gly Gln Ala Gly Ser Gln Arg Ala Pro Ser Ala
 385 390 395 400
 Lys Lys Pro Ser Thr Gly Ser Arg Tyr Gln Pro Leu Ala Ser Thr Ala
 405 410 415
 Ser Asp Asn Asp Phe Val Thr Pro Glu Pro Arg Arg Thr Thr Arg Arg
 420 425 430
 His Pro Asn Thr Gln Gln Arg Ala Ser Lys Lys Lys Pro Lys Val Val
 435 440 445
 Phe Ser Ser Asp Glu Ser Ser Glu Glu Asp Leu Ser Ala Glu Met Thr
 450 455 460
 Glu Asp Glu Thr Pro Lys Lys Thr Thr Pro Ile Leu Arg Ala Ser Ala
 465 470 475 480
 Arg Arg His Arg Ser
 485

<210> 1731

<211> 485

<212> PRT

<213> Homo sapiens

<400> 1731

Met Leu Pro Thr Phe Leu Leu Met Asn Leu Leu Ser Leu Ala Gly Asp

1		5		10		15											
Val	Ala	Leu	Gln	Gln	Leu	Val	His	Leu	Glu	Gln	Ala	Val	Ser	Gly	Glu		
		20						25					30				
Leu	Cys	Arg	Arg	Arg	Val	Leu	Arg	Glu	Glu	Gln	Glu	His	Lys	Thr	Lys		
		35					40					45					
Asp	Pro	Lys	Glu	Lys	Asn	Thr	Ser	Ser	Glu	Thr	Thr	Met	Glu	Glu	Glu		
	50					55					60						
Leu	Gly	Leu	Val	Gly	Ala	Thr	Ala	Asp	Asp	Thr	Glu	Ala	Glu	Leu	Ile		
65					70					75					80		
Arg	Gly	Ile	Cys	Glu	Met	Glu	Leu	Leu	Asp	Gly	Lys	Gln	Thr	Leu	Ala		
				85					90					95			
Ala	Phe	Val	Pro	Leu	Leu	Leu	Lys	Val	Cys	Asn	Asn	Pro	Gly	Leu	Tyr		
			100					105					110				
Ser	Asn	Pro	Asp	Leu	Ser	Ala	Ala	Ala	Ser	Leu	Ala	Leu	Gly	Lys	Phe		
		115					120					125					
Cys	Met	Ile	Ser	Ala	Thr	Phe	Cys	Asp	Ser	Gln	Leu	Arg	Leu	Leu	Phe		
	130					135					140						
Thr	Met	Leu	Glu	Lys	Ser	Pro	Leu	Pro	Ile	Val	Arg	Ser	Asn	Leu	Met		
145					150					155					160		
Val	Ala	Thr	Gly	Asp	Leu	Ala	Ile	Arg	Phe	Pro	Asn	Leu	Val	Asp	Pro		
				165					170					175			
Trp	Thr	Pro	His	Leu	Tyr	Ala	Arg	Leu	Arg	Asp	Pro	Ala	Gln	Gln	Val		
			180					185					190				
Arg	Lys	Thr	Ala	Gly	Leu	Val	Met	Thr	His	Leu	Ile	Leu	Lys	Asp	Met		
		195					200					205					
Val	Lys	Val	Lys	Gly	Gln	Val	Ser	Glu	Met	Ala	Val	Leu	Leu	Ile	Asp		
	210					215					220						
Pro	Glu	Pro	Gln	Ile	Ala	Ala	Leu	Ala	Lys	Asn	Phe	Phe	Asn	Glu	Leu		
225					230					235					240		
Ser	His	Lys	Gly	Asn	Ala	Ile	Tyr	Asn	Leu	Leu	Pro	Asp	Ile	Ile	Ser		
				245				250						255			
Arg	Leu	Ser	Asp	Pro	Glu	Leu	Gly	Val	Glu	Glu	Glu	Pro	Phe	His	Thr		
			260					265					270				
Ile	Met	Lys	Gln	Leu	Leu	Ser	Tyr	Ile	Thr	Lys	Asp	Lys	Gln	Thr	Glu		
		275					280					285					

Ser Leu Val Glu Lys Leu Cys Gln Arg Phe Arg Thr Ser Arg Thr Glu
 290 295 300
 Arg Gln Gln Arg Asp Leu Ala Tyr Cys Val Ser Gln Leu Pro Leu Thr
 305 310 315 320
 Glu Arg Gly Leu Arg Lys Met Leu Asp Asn Phe Asp Cys Phe Gly Asp
 325 330 335
 Lys Leu Ser Asp Glu Ser Ile Phe Ser Ala Phe Leu Ser Val Val Gly
 340 345 350
 Lys Leu Arg Arg Gly Ala Lys Pro Glu Gly Lys Ala Ile Ile Asp Glu
 355 360 365
 Phe Glu Gln Lys Leu Arg Ala Cys His Thr Arg Gly Leu Asp Gly Ile
 370 375 380
 Lys Glu Leu Glu Ile Gly Gln Ala Gly Ser Gln Arg Ala Pro Ser Ala
 385 390 395 400
 Lys Lys Pro Ser Thr Gly Ser Arg Tyr Gln Pro Leu Ala Ser Thr Ala
 405 410 415
 Ser Asp Asn Asp Phe Val Thr Pro Glu Pro Arg Arg Thr Thr Arg Arg
 420 425 430
 His Pro Asn Thr Gln Gln Arg Ala Ser Lys Lys Lys Pro Lys Val Val
 435 440 445
 Phe Ser Ser Asp Glu Ser Ser Glu Glu Asp Leu Ser Ala Glu Met Thr
 450 455 460
 Glu Asp Glu Thr Pro Lys Lys Thr Thr Pro Ile Leu Arg Ala Ser Ala
 465 470 475 480
 Arg Arg His Arg Ser
 485

<210> 1732

<211> 485

<212> PRT

<213> Homo sapiens

<400> 1732

Met Leu Pro Thr Phe Leu Leu Met Asn Leu Leu Ser Leu Ala Gly Asp
 1 5 10 15

Val Ala Leu Gln Gln Leu Val His Leu Glu Gln Ala Val Ser Gly Glu

				20						25						30	
Leu	Cys	Arg	Arg	Arg	Val	Leu	Arg	Glu	Glu	Gln	Glu	His	Lys	Thr	Lys		
		35					40					45					
Asp	Pro	Lys	Glu	Lys	Asn	Thr	Ser	Ser	Glu	Thr	Thr	Met	Glu	Glu	Glu		
	50					55					60						
Leu	Gly	Leu	Val	Gly	Ala	Thr	Ala	Asp	Asp	Thr	Glu	Ala	Glu	Leu	Ile		
65					70					75					80		
Arg	Gly	Ile	Cys	Glu	Met	Glu	Leu	Leu	Asp	Gly	Lys	Gln	Thr	Leu	Ala		
			85						90					95			
Ala	Phe	Val	Pro	Leu	Leu	Leu	Lys	Val	Cys	Asn	Asn	Pro	Gly	Leu	Tyr		
			100					105					110				
Ser	Asn	Pro	Asp	Leu	Ser	Ala	Ala	Ala	Ser	Leu	Ala	Leu	Gly	Lys	Phe		
		115					120					125					
Cys	Met	Ile	Ser	Ala	Thr	Phe	Cys	Asp	Ser	Gln	Leu	Arg	Leu	Leu	Phe		
	130					135					140						
Thr	Met	Leu	Glu	Lys	Ser	Pro	Leu	Pro	Ile	Val	Arg	Ser	Asn	Leu	Met		
145					150					155					160		
Val	Ala	Thr	Gly	Asp	Leu	Ala	Ile	Arg	Phe	Pro	Asn	Leu	Val	Asp	Pro		
				165					170					175			
Trp	Thr	Pro	His	Leu	Tyr	Ala	Arg	Leu	Arg	Asp	Pro	Ala	Gln	Gln	Val		
			180					185					190				
Arg	Lys	Thr	Ala	Gly	Leu	Val	Met	Thr	His	Leu	Ile	Leu	Lys	Asp	Met		
		195					200					205					
Val	Lys	Val	Lys	Gly	Gln	Val	Ser	Glu	Met	Ala	Val	Leu	Leu	Ile	Asp		
	210					215					220						
Pro	Glu	Pro	Gln	Ile	Ala	Ala	Leu	Ala	Lys	Asn	Phe	Phe	Asn	Glu	Leu		
225					230					235					240		
Ser	His	Lys	Gly	Asn	Ala	Ile	Tyr	Asn	Leu	Leu	Pro	Asp	Ile	Ile	Ser		
				245				250					255				
Arg	Leu	Ser	Asp	Pro	Glu	Leu	Gly	Val	Glu	Glu	Glu	Pro	Phe	His	Thr		
			260					265					270				
Ile	Met	Lys	Gln	Leu	Leu	Ser	Tyr	Ile	Thr	Lys	Asp	Lys	Gln	Thr	Glu		
		275					280					285					
Ser	Leu	Val	Glu	Lys	Leu	Cys	Gln	Arg	Phe	Arg	Thr	Ser	Arg	Thr	Glu		
	290					295					300						

Arg Gln Gln Arg Asp Leu Ala Tyr Cys Val Ser Gln Leu Pro Leu Thr
 305 310 315 320
 Glu Arg Gly Leu Arg Lys Met Leu Asp Asn Phe Asp Cys Phe Gly Asp
 325 330 335
 Lys Leu Ser Asp Glu Ser Ile Phe Ser Ala Phe Leu Ser Val Val Gly
 340 345 350
 Lys Leu Arg Arg Gly Ala Lys Pro Glu Gly Lys Ala Ile Ile Asp Glu
 355 360 365
 Phe Glu Gln Lys Leu Arg Ala Cys His Thr Arg Gly Leu Asp Gly Ile
 370 375 380
 Lys Glu Leu Glu Ile Gly Gln Ala Gly Ser Gln Arg Ala Pro Ser Ala
 385 390 395 400
 Lys Lys Pro Ser Thr Gly Ser Arg Tyr Gln Pro Leu Ala Ser Thr Ala
 405 410 415
 Ser Asp Asn Asp Phe Val Thr Pro Glu Pro Arg Arg Thr Thr Arg Arg
 420 425 430
 His Pro Asn Thr Gln Gln Arg Ala Ser Lys Lys Lys Pro Lys Val Val
 435 440 445
 Phe Ser Ser Asp Glu Ser Ser Glu Glu Asp Leu Ser Ala Glu Met Thr
 450 455 460
 Glu Asp Glu Thr Pro Lys Lys Thr Thr Pro Ile Leu Arg Ala Ser Ala
 465 470 475 480
 Arg Arg His Arg Ser
 485

<210> 1733

<211> 65

<212> PRT

<213> Homo sapiens

<400> 1733

Met Val Val Thr Thr Glu Pro Leu Thr Gln Ala Val Val Asp Lys Thr
 1 5 10 15
 Leu Leu Leu Val Val Leu Leu Leu Gly Val Thr Leu Phe Ile Thr Val
 20 25 30
 Leu Val Leu Phe Ala Leu Gln Ala Tyr Glu Ser Tyr Lys Lys Lys Asp

35 40 45
 Tyr Thr Gln Val Asp Tyr Leu Ile Asn Gly Met Tyr Ala Asp Ser Glu
 50 55 60

Met
65

<210> 1734
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 1734
 Met Val Val Thr Thr Glu Pro Leu Thr Gln Ala Val Val Asp Lys Thr
 1 5 10 15

Leu Leu Leu Val Val Leu Leu Leu Gly Val Thr Leu Phe Ile Thr Val
 20 25 30

Leu Val Leu Phe Ala Leu Gln Ala Tyr Glu Ser Tyr Lys Lys Lys Asp
 35 40 45

Tyr Thr Gln Val Asp Tyr Leu Ile Asn Gly Met Tyr Ala Asp Ser Glu
 50 55 60

Met
65

<210> 1735
 <211> 342
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (150)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (271)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1735
 Met Trp Thr Ala Leu Val Leu Ile Trp Ile Phe Ser Leu Ser Leu Ser
 1 5 10 15

Glu	Ser	His	Ala	Ala	Ser	Asn	Asp	Pro	Arg	Asn	Phe	Val	Pro	Asn	Lys	
			20					25					30			
Met	Trp	Lys	Gly	Leu	Val	Lys	Arg	Asn	Ala	Ser	Val	Glu	Thr	Val	Asp	
		35					40					45				
Asn	Lys	Thr	Ser	Glu	Asp	Val	Thr	Met	Ala	Ala	Ala	Ser	Pro	Val	Thr	
	50					55					60					
Leu	Thr	Lys	Gly	Thr	Ser	Ala	Ala	His	Leu	Asn	Ser	Met	Glu	Val	Thr	
65					70					75					80	
Thr	Glu	Asp	Thr	Ser	Arg	Thr	Asp	Val	Ser	Glu	Pro	Ala	Thr	Ser	Gly	
				85					90					95		
Gly	Ala	Ala	Asp	Gly	Val	Thr	Ser	Ile	Ala	Pro	Thr	Ala	Val	Ala	Ser	
			100					105					110			
Ser	Thr	Thr	Ala	Ala	Ser	Ile	Thr	Thr	Ala	Ala	Ser	Ser	Met	Thr	Val	
		115					120					125				
Ala	Ser	Ser	Ala	Pro	Thr	Thr	Ala	Ala	Ser	Ser	Thr	Thr	Val	Ala	Ser	
	130					135					140					
Ile	Ala	Pro	Thr	Thr	Xaa	Ala	Ser	Ser	Met	Thr	Ala	Ala	Ser	Ser	Thr	
145					150					155					160	
Pro	Met	Thr	Leu	Ala	Leu	Pro	Ala	Pro	Thr	Ser	Thr	Ser	Thr	Gly	Arg	
				165				170						175		
Thr	Pro	Ser	Thr	Thr	Ala	Thr	Gly	His	Pro	Ser	Leu	Ser	Thr	Ala	Leu	
			180					185					190			
Ala	Gln	Val	Pro	Lys	Ser	Ser	Ala	Leu	Pro	Arg	Thr	Ala	Thr	Leu	Ala	
		195					200					205				
Thr	Leu	Ala	Thr	Arg	Ala	Gln	Thr	Val	Ala	Thr	Thr	Ala	Asn	Thr	Ser	
	210					215					220					
Ser	Pro	Met	Ser	Thr	Arg	Pro	Ser	Pro	Ser	Lys	His	Met	Pro	Ser	Asp	
225					230					235					240	
Thr	Ala	Ala	Ser	Pro	Val	Pro	Pro	Met	Arg	Pro	Gln	Ala	Gln	Gly	Pro	
				245					250					255		
Ile	Ser	Gln	Val	Ser	Val	Asp	Gln	Pro	Val	Val	Asn	Thr	Thr	Xaa	Lys	
			260					265					270			
Ser	Thr	Pro	Met	Pro	Ser	Asn	Thr	Thr	Thr	Glu	Pro	Leu	Thr	Gln	Ala	
		275					280					285				
Val	Val	Asp	Lys	Thr	Leu	Leu	Leu	Val	Val	Leu	Leu	Leu	Gly	Val	Thr	

290		295		300
Leu Phe Ile Thr Val	Leu Val Leu Phe Ala	Leu Gln Ala Tyr Glu Ser		
305	310	315		320
Tyr Lys Lys Lys Asp Tyr Thr Gln Val Asp Tyr Leu Ile Asn Gly Met				
	325	330		335
Tyr Ala Asp Ser Glu Met				
	340			

<210> 1736
 <211> 96
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1736
Met Thr Leu Pro Thr Ser Gln Cys Leu Ile Cys Leu Leu Gln Ala Leu
1 5 10 15
Cys Gly Ile Gly His Gly Ala Leu Ala Trp Gly Ser Asn Gln Val Leu
20 25 30
Phe Pro Gly Gly Gln Gln Glu Asp Gly Gly Cys Gln Arg Ile Pro Asp
35 40 45
Pro Ser Phe Leu Ser Thr Pro Cys Gly Lys Gln Gly Gly His Ala Glu
50 55 60
Gln Glu Leu Gln Gln Cys Trp Gly Ala Phe Xaa Gln Leu Pro Gly Cys
65 70 75 80
Val Leu His Phe His Pro Gly Val Leu His Lys Ala His Ser Glu Trp
85 90 95

<210> 1737
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 1737

Gly Leu Gly Pro Gly Ile Pro Met Cys Phe Gln Gln Trp Thr Thr Cys
1 5 10 15

Ser Glu Val Leu Val Cys Ala Ser Pro Val Ser Val Val Asp Lys Thr
20 25 30

Asp Gly Arg Phe Arg Gly Ser Thr Pro His Thr Cys Lys Leu Asp Arg
35 40 45

Ala Gln Lys Leu Val Lys Asp Ile Trp Arg Cys Cys Ala Gly Gln Phe
50 55 60

Ala Pro Leu Ser Leu Arg Ser Met Val Phe His Asn Ala Pro Ile
65 70 75

<210> 1738

<211> 96

<212> PRT

<213> Homo sapiens

<400> 1738

Met Thr Leu Pro Thr Ser Gln Cys Leu Ile Cys Leu Leu Gln Ala Leu
1 5 10 15

Cys Gly Ile Gly His Gly Ala Leu Ala Trp Gly Ser Asn Gln Val Leu
20 25 30

Phe Pro Gly Gly Gln Gln Glu Asp Gly Gly Cys Gln Arg Ile Pro Asp
35 40 45

Pro Ser Phe Leu Ser Thr Pro Cys Gly Lys Gln Gly Gly His Ala Glu
50 55 60

Gln Glu Leu Gln Gln Cys Trp Gly Ala Phe Cys Gln Leu Pro Gly Cys
65 70 75 80

Val Leu His Phe His Pro Gly Val Leu His Lys Ala His Ser Glu Trp
85 90 95

<210> 1739

<211> 162

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (142)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (154)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (161)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1739

Met	Ala	Leu	Pro	Arg	Cys	Thr	Trp	Pro	Asn	Tyr	Val	Trp	Arg	Ala	Val
1				5					10					15	

Met	Ala	Cys	Leu	Val	His	Arg	Gly	Leu	Gly	Ala	Pro	Leu	Thr	Leu	Cys
			20					25					30		

Met	Leu	Gly	Cys	Leu	Leu	Gln	Ala	Gly	His	Val	Leu	Ser	Gln	Lys	Leu
		35					40						45		

Asp	Asp	Val	Asp	Pro	Leu	Val	Ala	Thr	Asn	Phe	Gly	Lys	Ile	Arg	Gly
	50					55					60				

Ile	Lys	Lys	Glu	Leu	Asn	Asn	Glu	Ile	Leu	Gly	Pro	Val	Ile	Gln	Phe
65					70					75					80

Leu	Gly	Val	Pro	Tyr	Ala	Ala	Pro	Pro	Thr	Gly	Glu	Arg	Arg	Phe	Gln
				85					90					95	

Pro	Pro	Glu	Pro	Pro	Ser	Pro	Trp	Ser	Asp	Ile	Arg	Asn	Ala	Thr	Gln
			100					105					110		

Phe	Ala	Pro	Val	Cys	Pro	Gln	Asn	Ile	Ile	Asp	Gly	Arg	Leu	Pro	Glu
		115					120					125			

Val	Met	Leu	Pro	Val	Xaa	Phe	Thr	Asn	Asn	Leu	Asp	Val	Xaa	Ser	Ser
	130					135					140				

Tyr	Val	Gln	Asp	Gln	Ser	Glu	Arg	Leu	Xaa	Ile	Phe	Lys	Tyr	Ile	Cys
145					150					155					160

Xaa Asp

<210> 1740
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 1740

Met	Ala	Leu	Pro	Arg	Cys	Thr	Trp	Pro	Asn	Tyr	Val	Trp	Arg	Ala	Val
1				5					10					15	
Met	Ala	Cys	Leu	Val	His	Arg	Gly	Leu	Gly	Ala	Pro	Leu	Thr	Leu	Cys
			20					25					30		
Met	Leu	Gly	Cys	Leu	Leu	Gln	Ala	Gly	His	Val	Leu	Ser	Gln	Lys	Leu
		35					40					45			
Asp	Asp	Val	Asp	Pro	Leu	Val	Ala	Thr	Asn	Phe	Gly	Lys	Ile	Arg	Gly
	50					55					60				
Ile	Lys	Lys	Glu	Leu	Asn	Asn	Glu	Ile	Leu	Gly	Pro	Val	Ile	Gln	Phe
	65				70					75					80
Leu	Gly	Val	Pro	Tyr	Ala	Ala	Pro	Pro	Thr	Gly	Glu	Arg	Arg	Phe	Gln
				85					90					95	
Pro	Pro	Glu	Pro	Pro	Ser	Pro	Trp	Ser	Asp	Ile	Arg	Asn	Ala	Thr	Gln
			100					105					110		
Phe	Ala	Pro	Val	Cys	Pro	Gln	Asn	Ile	Ile	Asp	Gly	Arg	Leu	Pro	Glu
		115					120					125			
Val	Met	Leu	Pro	Val	Trp	Phe	Thr	Asn	Asn	Leu	Asp	Val	Val	Ser	Ser
	130					135					140				
Tyr	Val	Gln	Asp	Gln	Ser	Glu	Asp	Cys	Leu	Tyr	Leu	Asn	Ile	Tyr	Val
145					150					155					160
Pro	Thr	Glu	Asp	Asp	Ile	Arg	Asp	Ser	Gly	Gly	Pro	Lys	Pro	Val	Met
				165					170					175	
Val	Tyr	Ile	His	Gly	Gly	Ser	Tyr	Met	Glu	Gly	Thr	Gly	Asn	Leu	Tyr
			180					185					190		
Asp	Gly	Ser	Val	Leu	Ala	Ser	Tyr	Gly	Asn	Val	Ile	Val	Ile	Thr	Val
		195					200					205			
Asn	Tyr	Arg	Leu	Gly	Val	Leu	Gly	Lys	Lys	Ser	Leu	Ser	Phe	Val	Phe
	210					215					220				

Thr Met Asn Pro
225

<210> 1741
<211> 94
<212> PRT
<213> Homo sapiens

<400> 1741
Met Leu Pro Thr Leu Thr Ala Pro Thr Leu Ala Leu Leu Leu Leu Pro
1 5 10 15
Lys Ile Ser Cys Leu Leu Thr Ser Thr His Pro Arg Thr Gln Gly Ser
20 25 30
Arg Ala His Phe Pro Arg Ala Trp Arg Leu Asp Pro Gly Glu Phe Leu
35 40 45
His Pro Leu Gln Asp Pro His Ser Ser Pro Leu Trp Ser Leu Asp His
50 55 60
Arg Trp Arg Trp Pro Glu Leu Thr Cys Trp Leu Trp Gly His Ser Ser
65 70 75 80
Cys Trp Pro Arg Met Arg Arg Gly Thr Arg Glu Tyr Lys Gly
85 90

<210> 1742
<211> 94
<212> PRT
<213> Homo sapiens

<400> 1742
Met Leu Pro Thr Leu Thr Ala Pro Thr Leu Ala Leu Leu Leu Leu Pro
1 5 10 15
Lys Ile Ser Cys Leu Leu Thr Ser Thr His Pro Arg Thr Gln Gly Ser
20 25 30
Arg Ala His Phe Pro Arg Ala Trp Arg Leu Asp Pro Gly Glu Phe Leu
35 40 45
His Pro Leu Gln Asp Pro His Ser Ser Pro Leu Trp Ser Leu Asp His
50 55 60
Arg Trp Arg Trp Pro Glu Leu Thr Cys Trp Leu Trp Gly His Ser Ser
65 70 75 80

Cys Trp Pro Arg Met Arg Arg Gly Thr Arg Glu Tyr Lys Gly
85 90

<210> 1743
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1743
Met Arg Thr Asp Tyr Pro Arg Xaa Xaa Arg Ser Cys Leu Cys Val Ser
1 5 10 15
Leu Ser Pro Pro Leu Val Ser Lys Gly Ser His Arg Ser Arg Trp Leu
20 25 30
Arg Thr Met Ala Val Pro Ala Gly Thr Gln Val Trp Arg Gln Asp Leu
35 40 45
Gln Pro Leu Gly Ala Val Leu Leu Gln
50 55

<210> 1744
<211> 123
<212> PRT
<213> Homo sapiens

<400> 1744
Met Arg Thr Asp Tyr Pro Arg Ser Val Leu Ala Pro Ala Tyr Val Ser
1 5 10 15
Val Cys Leu Leu Leu Leu Cys Pro Arg Glu Val Ile Ala Pro Ala Gly
20 25 30
Ser Glu Pro Trp Leu Cys Gln Pro Ala Pro Arg Cys Gly Asp Lys Ile
35 40 45
Tyr Asn Pro Leu Glu Gln Cys Cys Tyr Asn Asp Ala Ile Val Ser Leu
50 55 60

Ser Glu Thr Arg Gln Cys Gly Pro Pro Cys Thr Phe Trp Pro Cys Phe
65 70 75 80

Glu Leu Cys Cys Leu Asp Ser Phe Gly Leu Thr Asn Asp Phe Val Val
85 90 95

Lys Leu Lys Val Gln Gly Val Asn Ser Gln Cys His Ser Ser Pro Ile
100 105 110

Ser Ser Lys Cys Glu Ser Arg Arg Arg Phe Pro
115 120

<210> 1745

<211> 107

<212> PRT

<213> Homo sapiens

<400> 1745

Met His Pro Leu Pro Cys Leu His Leu Trp Glu Phe Phe Leu Ser Glu
1 5 10 15

Trp Gly Gln Phe Leu Ala Gln Gly Ser Glu Leu Arg Gln Pro Gln Gly
20 25 30

Arg Gly Pro Tyr Leu Leu Ser Ser Val Leu Gly Tyr Arg Glu Gln Pro
35 40 45

Gly Asp Ser Leu Val Pro Pro Pro Trp Arg Val Ser Leu Thr His Ser
50 55 60

Pro Ser Leu Arg Ala Ser Trp Pro Thr Ala Ser Leu Trp Glu Ser Gly
65 70 75 80

Arg Arg Ala Arg Trp Val Ala Gly Ala Arg Leu Leu Ser Pro Pro Pro
85 90 95

Ala Asp Phe Leu Leu Leu Pro Leu Ile Pro Phe
100 105

<210> 1746

<211> 107

<212> PRT

<213> Homo sapiens

<400> 1746

Met His Pro Leu Pro Cys Leu His Leu Trp Glu Phe Phe Leu Ser Glu
1 5 10 15

Trp Gly Gln Phe Leu Ala Gln Gly Ser Glu Leu Arg Gln Pro Gln Gly
 20 25 30
 Arg Gly Pro Tyr Leu Leu Ser Ser Val Leu Gly Tyr Arg Glu Gln Pro
 35 40 45
 Gly Asp Ser Leu Val Pro Pro Pro Trp Arg Val Ser Leu Thr His Ser
 50 55 60
 Pro Ser Leu Arg Ala Ser Trp Pro Thr Ala Ser Leu Trp Glu Ser Gly
 65 70 75 80
 Arg Arg Ala Arg Trp Val Ala Gly Ala Arg Leu Leu Ser Pro Pro Pro
 85 90 95
 Ala Asp Phe Leu Leu Leu Pro Leu Ile Pro Phe
 100 105

<210> 1747
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 1747
 Met Ala Gly Tyr Gln Lys His His Gly Ser Phe Ala Ile Cys Cys Leu
 1 5 10 15
 Phe Ser Ala Leu Ser Leu Thr Leu Ser Phe Gln Glu Gly Glu Asn Glu
 20 25 30
 Cys Phe Pro Ala Phe Ser Val Leu Cys Ser Lys Glu Glu Ser Arg Cys
 35 40 45
 Trp Leu Pro Asn Leu Pro Tyr Phe Leu Ile Ala Val Arg Gly Ile Asn
 50 55 60
 Cys Met Phe Pro Glu Gly Lys Gly Trp Leu Thr Asp Leu Leu Glu Gly
 65 70 75 80
 Ile Leu Ser Val Glu Ala Gly Gln Glu Asn Pro Gly Ile Ser Phe Ala
 85 90 95
 Gly Phe Cys Ala Val Pro Leu Pro Ser Ser Cys Leu Lys Cys Glu Tyr
 100 105 110
 Cys Phe Pro Ala Phe Gln Arg Trp
 115 120

<210> 1748
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1748
 Asp Val Leu Gln Ile Thr Phe Trp Trp Pro Leu Val Thr Ala Val Ser
 1 5 10 15
 Leu Gln Gly Leu Asn Lys Xaa Leu Ser Pro Ile Pro Phe His Thr Cys
 20 25 30
 Val Val Tyr Tyr Trp Gln Ala Ser Val Leu Arg Val Ser Asn Gly Thr
 35 40 45
 Asp Gly Cys Gln Thr Leu Trp Ile Ser Ala Ser Pro Gly Trp
 50 55 60

<210> 1749
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 1749
 Met Ala Gly Tyr Gln Lys His His Gly Ser Phe Ala Ile Cys Cys Leu
 1 5 10 15
 Phe Ser Ala Leu Ser Leu Thr Leu Ser Phe Gln Glu Gly Glu Asn Glu
 20 25 30
 Cys Phe Pro Ala Phe Ser Val Leu Cys Ser Lys Glu Glu Ser Arg Cys
 35 40 45
 Trp Leu Pro Asn Leu Pro Tyr Phe Leu Ile Ala Val Arg Gly Ile Asn
 50 55 60
 Cys Met Phe Pro Glu Gly Lys Gly Trp Leu Thr Asp Leu Leu Glu Gly
 65 70 75 80
 Ile Leu Ser Val Glu Ala Gly Gln Glu Asn Pro Gly Ile Ser Phe Ala
 85 90 95
 Gly Phe Cys Ala Val Pro Leu Pro Ser Ser Cys Leu Lys Cys Glu Tyr
 100 105 110

Cys Phe Pro Ala Phe Gln Arg Trp
 115 120

<210> 1750
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 1750
 Met Asp Asp Phe Leu Phe Ser Val Ser Ile Leu Ser Gly Ile Leu Cys
 1 5 10 15
 Ser Ile Leu Ala Val Leu Lys Phe Met Leu Gly Lys Val Leu Thr Ser
 20 25 30
 Arg Ala Leu Ile Thr Asp Gly Phe Asn Ser Leu Val Gly Gly Val Met
 35 40 45
 Gly Phe Ser Ile Leu Leu Ser Ala Glu Val Phe Lys His Asp Ser Ala
 50 55 60
 Val Trp Tyr Leu Asp Gly Ser Ile Gly Val Leu Ile Gly Leu Thr Ile
 65 70 75 80
 Phe Ala Tyr Gly Val Lys Leu Leu Ile Asp Met Val Pro Arg Val Arg
 85 90 95
 Gln Thr Arg His Tyr Glu Met Phe Glu
 100 105

<210> 1751
 <211> 186
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (138)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (166)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1751
 Met Leu Asp Lys Ile Ile Ser Ile Phe Ile Ile Phe Leu Leu Val Ile

1	5	10	15
Gly Thr Leu Leu Leu Ala Leu Leu Leu Thr Ala Lys Val His Gln Glu	20	25	30
Ser Val His Met Ile Glu Val Thr Ser Asn Leu Ile Asn Glu Thr Leu	35	40	45
Ala Asn His Pro Glu Trp Ala Asn Trp Leu Pro Glu Ala Gln Val Val	50	55	60
Gln Arg Ala Leu Asn Ser Ala Ala Asn Asn Val Tyr Gln Tyr Gly Arg	65	70	75
Glu Trp Ile Thr His Lys Leu His Lys Ile Leu Gly Asp Lys Val Asn	85	90	95
Asn Thr Ala Val Ile Glu Lys Gln Val Leu Glu Leu Trp Asp Arg Leu	100	105	110
Tyr His Ser Trp Phe Val Lys Asn Val Thr His Ser Gly Arg His Lys	115	120	125
Gly Gln Lys Leu His Val Ser Arg Gln Xaa Ser Trp Leu Gly Asp Ile	130	135	140
Leu Asp Trp Gln Asp Ile Val Ser Phe Val His Glu Asn Ile Glu Thr	145	150	155
Phe Leu Ser Ile Leu Xaa Ser Leu Trp Ile Val Met Ser Leu Asn Val	165	170	175
Ser Leu Leu Leu Pro Leu Ala Leu His Ser	180	185	

<210> 1752

<211> 224

<212> PRT

<213> Homo sapiens

<400> 1752

Val Leu Ser Leu Ile Ile Phe Leu Thr Thr Leu Phe Tyr Leu Leu Ser	1	5	10	15
Ser Ser Asp Glu Tyr Tyr Lys Pro Val Lys Trp Val Ile Ser Leu Thr	20	25	30	
Pro Leu Ser Gln Pro Gly Pro Ser Ser Asn Ile Ile Gly Gln Ser Val	35	40	45	

<400> 1753

Met	Leu	Asp	Lys	Ile	Ile	Ser	Ile	Phe	Ile	Ile	Phe	Leu	Leu	Val	Ile	
1				5					10					15		
Gly	Thr	Leu	Leu	Leu	Ala	Leu	Leu	Leu	Thr	Ala	Lys	Val	His	Gln	Glu	
			20					25					30			
Ser	Val	His	Met	Ile	Glu	Val	Thr	Ser	Asn	Leu	Ile	Asn	Glu	Thr	Leu	
		35					40					45				
Ala	Asn	His	Pro	Glu	Trp	Ala	Asn	Trp	Leu	Pro	Glu	Ala	Gln	Val	Val	
	50					55					60					
Gln	Arg	Ala	Leu	Asn	Ser	Ala	Ala	Asn	Asn	Val	Tyr	Gln	Tyr	Gly	Arg	
65					70					75					80	
Glu	Trp	Ile	Thr	His	Lys	Leu	His	Lys	Ile	Leu	Gly	Asp	Lys	Val	Asn	
				85					90					95		
Asn	Thr	Ala	Val	Ile	Glu	Lys	Gln	Val	Leu	Glu	Leu	Trp	Asp	Arg	Leu	
			100					105					110			
Tyr	His	Ser	Trp	Phe	Val	Lys	Asn	Val	Thr	His	Ser	Gly	Arg	His	Lys	
		115					120					125				
Gly	Gln	Lys	Leu	His	Val	Ser	Arg	Gln	Xaa	Ser	Trp	Leu	Gly	Asp	Ile	
	130					135					140					
Leu	Asp	Trp	Gln	Asp	Ile	Val	Ser	Phe	Val	His	Glu	Asn	Ile	Glu	Thr	
145					150					155					160	
Phe	Leu	Ser	Ile	Leu	Glu	Ser	Leu	Trp	Ile	Val	Met	Ser	Arg	Asn	Val	
				165					170					175		
Ser	Leu	Leu	Phe	Thr	Thr	Xaa	Thr	Thr	Leu	Leu	Thr	Ile	Leu	Phe	Tyr	
			180					185					190			
Ser	Gly	Thr	Ala	Leu	Leu	Asn	Phe	Val	Leu	Ser	Leu	Ile	Ile	Phe	Leu	
		195					200					205				
Thr	Thr	Leu	Phe	Tyr	Leu	Leu	Ser	Ser	Ser	Asp	Glu	Tyr	Tyr	Lys	Pro	
	210					215					220					
Val	Lys	Trp	Val	Ile	Ser	Leu	Thr	Pro	Leu	Ser	Gln	Pro	Gly	Pro	Ser	
225					230					235					240	
Ser	Asn	Ile	Ile	Gly	Gln	Ser	Val	Glu	Glu	Ala	Ile	Arg	Gly	Val	Phe	
				245					250					255		
Asp	Ala	Ser	Leu	Lys	Met	Ala	Gly	Phe	Tyr	Gly	Leu	Tyr	Thr	Trp	Leu	
			260					265					270			

Thr His Thr Met Phe Gly Ile Asn Ile Val Phe Ile Pro Ser Ala Leu
 275 280 285
 Ala Ala Ile Leu Gly Ala Val Pro Phe Leu Gly Thr Tyr Trp Ala Ala
 290 295 300
 Val Pro Ala Val Leu Asp Leu Trp Leu Thr Gln Gly Leu Gly Cys Lys
 305 310 315 320
 Ala Ile Leu Leu Leu Ile Phe His Leu Leu Pro Thr Tyr Phe Val Asp
 325 330 335
 Thr Ala Ile Tyr Ser Asp Ile Ser Gly Gly Gly His Pro Tyr Leu Thr
 340 345 350
 Gly Leu Ala Val Ala Gly Gly Ala Tyr Tyr Leu Gly Leu Glu Gly Ala
 355 360 365
 Ile Ile Gly Pro Ile Leu Leu Cys Ile Leu Val Val Ala Ser Asn Ile
 370 375 380
 Tyr Ser Ala Met Leu Val Ser Pro Thr Asn Ser Val Pro Thr Pro Asn
 385 390 395 400
 Gln Thr Pro Trp Pro Ala Gln Pro Gln Arg Thr Phe Arg Asp Ile Ser
 405 410 415
 Glu Asp Leu Lys Ser Ser Val Gly
 420

<210> 1754

<211> 385

<212> PRT

<213> Homo sapiens

<400> 1754

Met Leu Asp Lys Ile Ile Ser Ile Phe Ile Ile Phe Leu Leu Val Ile
 1 5 10 15
 Gly Thr Leu Leu Leu Ala Leu Leu Leu Thr Ala Lys Val His Gln Glu
 20 25 30
 Ser Val His Met Ile Glu Val Thr Ser Asn Leu Ile Asn Glu Thr Leu
 35 40 45
 Ala Asn His Pro Glu Trp Ala Asn Trp Leu Pro Glu Ala Gln Val Val
 50 55 60
 Gln Arg Ala Leu Asn Ser Ala Ala Asn Asn Val Tyr Gln Tyr Gly Arg

Gly Leu Ala Val Ala Gly Gly Ser Ile Leu Pro Arg Pro Gly Arg Ser
 355 360 365

Asn His Arg Ser Tyr Ser Ser Leu His Thr Cys Gly Cys Phe Gln Tyr
 370 375 380

Leu
 385

<210> 1755

<211> 293

<212> PRT

<213> Homo sapiens

<400> 1755

Met Pro Tyr Val Thr Glu Ala Thr Arg Val Gln Leu Val Leu Pro Leu
 1 5 10 15

Leu Val Ala Glu Ala Ala Ala Ala Pro Ala Phe Leu Glu Ala Phe Ala
 20 25 30

Ala Asn Val Leu Glu Pro Arg Glu His Ala Leu Leu Thr Leu Leu Leu
 35 40 45

Val Tyr Gly Pro Arg Glu Gly Gly Arg Gly Ala Pro Asp Pro Phe Leu
 50 55 60

Gly Val Lys Ala Ala Ala Ala Glu Leu Glu Arg Arg Tyr Pro Gly Thr
 65 70 75 80

Arg Leu Ala Trp Leu Ala Val Arg Ala Glu Ala Pro Ser Gln Val Arg
 85 90 95

Leu Met Asp Val Val Ser Lys Lys His Pro Val Asp Thr Leu Phe Phe
 100 105 110

Leu Thr Thr Val Trp Thr Arg Pro Gly Pro Glu Val Leu Asn Arg Cys
 115 120 125

Arg Met Asn Ala Ile Ser Gly Trp Gln Ala Phe Phe Pro Val His Phe
 130 135 140

Gln Glu Phe Asn Pro Ala Leu Ser Pro Gln Arg Ser Pro Pro Gly Pro
 145 150 155 160

Pro Gly Ala Gly Pro Asp Pro Pro Ser Pro Pro Gly Ala Asp Pro Ser
 165 170 175

Arg Gly Ala Pro Ile Gly Gly Arg Phe Asp Arg Gln Ala Ser Ala Glu

	180		185		190
Gly Cys Phe Tyr Asn Ala Asp Tyr Leu Ala Ala Arg Ala Arg Leu Ala					
195		200		205	
Gly Glu Leu Ala Gly Gln Glu Glu Glu Glu Ala Leu Glu Gly Leu Glu					
210		215		220	
Val Met Asp Val Phe Leu Arg Phe Ser Gly Leu His Leu Phe Arg Ala					
225		230		235	240
Val Glu Pro Gly Leu Val Gln Lys Phe Ser Leu Arg Asp Cys Ser Pro					
	245		250		255
Arg Leu Ser Glu Glu Leu Tyr His Arg Cys Arg Leu Ser Asn Leu Glu					
	260		265		270
Gly Leu Gly Gly Arg Ala Gln Leu Ala Met Ala Leu Phe Glu Gln Glu					
	275		280		285
Gln Ala Asn Ser Thr					
290					

<210> 1756
 <211> 566
 <212> PRT
 <213> Homo sapiens

<400> 1756															
Met Gln Val Val Ser His Gly Asp Glu Arg Pro Ala Trp Leu Met Ser															
1				5				10						15	
Glu Thr Leu Arg His Leu His Thr His Phe Gly Ala Asp Tyr Asp Trp															
			20				25						30		
Phe Phe Ile Met Gln Asp Asp Thr Tyr Val Gln Ala Pro Arg Leu Ala															
		35					40					45			
Ala Leu Ala Gly His Leu Ser Ile Asn Gln Asp Leu Tyr Leu Gly Arg															
	50					55				60					
Ala Glu Glu Phe Ile Gly Ala Gly Glu Gln Ala Arg Tyr Cys His Gly															
	65				70				75					80	
Gly Phe Gly Tyr Leu Leu Ser Arg Ser Leu Leu Leu Arg Leu Arg Pro															
			85					90					95		
His Leu Asp Gly Cys Arg Gly Asp Ile Leu Ser Ala Arg Pro Asp Glu															
		100					105						110		

Trp Leu Gly Arg Cys Leu Ile Asp Ser Leu Gly Val Gly Cys Val Ser
 115 120 125
 Gln His Gln Ala Gln Ile Arg Asn Leu Thr Val Leu Thr Pro Glu Gly
 130 135 140
 Glu Ala Gly Leu Ser Trp Pro Val Gly Leu Pro Ala Pro Phe Thr Pro
 145 150 155 160
 His Ser Arg Phe Glu Val Leu Gly Trp Asp Tyr Phe Thr Glu Gln His
 165 170 175
 Thr Phe Ser Cys Ala Asp Gly Ala Pro Lys Cys Pro Leu Gln Gly Ala
 180 185 190
 Ser Arg Ala Asp Val Gly Asp Ala Leu Glu Thr Ala Leu Glu Gln Leu
 195 200 205
 Asn Arg Arg Tyr Gln Pro Arg Leu Arg Phe Gln Lys Gln Arg Leu Leu
 210 215 220
 Asn Gly Tyr Arg Arg Phe Asp Pro Ala Arg Gly Met Glu Tyr Thr Leu
 225 230 235 240
 Asp Pro Gly Ser Thr His Ala Ser Glu Arg Gly His Arg Arg Ala Leu
 245 250 255
 Ala Arg Arg Val Ser Leu Leu Arg Pro Leu Ser Arg Val Glu Ile Leu
 260 265 270
 Pro Met Pro Tyr Val Thr Glu Ala Thr Arg Val Gln Leu Val Leu Pro
 275 280 285
 Leu Leu Val Ala Glu Ala Ala Ala Ala Pro Ala Phe Leu Glu Ala Phe
 290 295 300
 Ala Ala Asn Val Leu Glu Pro Arg Glu His Ala Leu Leu Thr Leu Leu
 305 310 315 320
 Leu Val Tyr Gly Pro Arg Glu Gly Gly Arg Gly Ala Pro Asp Pro Phe
 325 330 335
 Leu Gly Val Lys Ala Ala Ala Ala Glu Leu Glu Arg Arg Tyr Pro Gly
 340 345 350
 Thr Arg Leu Ala Trp Leu Ala Val Arg Ala Glu Ala Pro Ser Gln Val
 355 360 365
 Arg Leu Met Asp Val Val Ser Lys Lys His Pro Val Asp Thr Leu Phe
 370 375 380
 Phe Leu Thr Thr Val Trp Thr Arg Pro Gly Pro Glu Val Leu Asn Arg

385		390		395		400
Cys	Arg	Met	Asn	Ala	Ile	His
			405			415
Phe	Gln	Glu	Phe	Asn	Pro	Ala
		420			425	430
Pro	Pro	Gly	Ala	Gly	Pro	Asp
		435			440	445
Ser	Arg	Gly	Ala	Pro	Ile	Ala
	450				455	460
Glu	Gly	Cys	Phe	Tyr	Asn	Ala
465				470		475
Ala	Gly	Glu	Leu	Ala	Gly	Gln
		485			490	495
Glu	Val	Met	Asp	Val	Phe	Leu
		500			505	510
Ala	Val	Glu	Pro	Gly	Leu	Val
	515				520	525
Pro	Arg	Leu	Ser	Glu	Glu	Leu
	530				535	540
Glu	Gly	Leu	Gly	Gly	Arg	Ala
545				550		555
Glu	Gln	Ala	Asn	Ser	Thr	
			565			

<210> 1757

<211> 249

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (221)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (241)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (246)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1757

Met Glu Phe Ser Trp Leu Glu Thr Arg Trp Ala Arg Pro Phe Tyr Leu
1 5 10 15

Ala Phe Val Phe Cys Leu Ala Leu Gly Leu Leu Gln Ala Ile Lys Leu
20 25 30

Tyr Leu Arg Arg Gln Arg Leu Leu Arg Asp Leu Arg Pro Phe Pro Ala
35 40 45

Pro Pro Thr His Trp Phe Leu Gly His Gln Lys Phe Ile Gln Asp Asp
50 55 60

Asn Met Glu Lys Leu Glu Glu Ile Ile Glu Lys Tyr Pro Arg Ala Phe
65 70 75 80

Pro Phe Trp Ile Gly Pro Phe Gln Ala Phe Phe Cys Ile Tyr Asp Pro
85 90 95

Asp Tyr Ala Lys Thr Leu Leu Ser Arg Thr Asp Pro Lys Ser Gln Tyr
100 105 110

Leu Gln Lys Phe Ser Pro Pro Leu Leu Gly Lys Gly Leu Ala Ala Leu
115 120 125

Asp Gly Pro Lys Trp Phe Gln His Arg Arg Leu Leu Thr Pro Gly Phe
130 135 140

His Phe Asn Ile Leu Lys Ala Tyr Ile Glu Val Met Ala His Ser Val
145 150 155 160

Lys Met Met Leu Asp Lys Trp Glu Lys Ile Cys Ser Thr Gln Asp Thr
165 170 175

Ser Val Glu Val Tyr Glu His Ile Asn Ser Met Ser Leu Asp Ile Ile
180 185 190

Met Lys Cys Ala Phe Ser Lys Glu Thr Asn Cys Gln Thr Asn Ser Thr
195 200 205

His Asp Pro Tyr Ala Lys Ala Ile Leu Asn Ser Ala Xaa Ser Tyr Phe
210 215 220

Thr Val Val Gln Leu Leu Tyr His Ser Asp Ile Phe Phe Lys Phe Ser
225 230 235 240

Xaa Gln Gly Tyr Arg Xaa Pro Glu Leu

<210> 1758

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1758

Ala	Gln	Gly	His	Pro	Trp	Ser	Val	Arg	Thr	Gln	Leu	Pro	Arg	Ile	Pro
1				5					10					15	

Arg	Pro	Ser	Pro	Met	Thr	Leu	Gly	Pro	Gln	Ile	Leu	Ile	Cys	His	Ser
			20					25					30		

Gly	Ser	Ala	Ala	Gly	Ser	Arg	Asn	Cys	Ile	Gly	Gln	Glu	Phe	Ala	Met
		35					40					45			

Ile	Glu	Leu	Lys	Val	Thr	Ile	Ala	Leu	Ile	Leu	Leu	His	Phe	Arg	Val
	50					55					60				

Thr	Pro	Asp	Pro	Thr	Arg	Pro	Leu	Thr	Xaa	Pro	Asn	His	Phe	Ile	Leu
65					70					75					80

Lys	Pro	Lys	Asn	Gly	Met	Tyr	Xaa	Xaa	Leu	Xaa	Lys	Leu	Ser	Glu	Cys
				85					90					95	

<210> 1759
 <211> 249
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (242)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (247)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (248)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1759
 Met Glu Phe Ser Trp Leu Glu Thr Arg Trp Ala Arg Pro Phe Tyr Leu
 1 5 10 15
 Ala Phe Val Phe Cys Leu Ala Leu Gly Leu Leu Gln Ala Ile Lys Leu
 20 25 30
 Tyr Leu Arg Arg Gln Arg Leu Leu Arg Asp Leu Arg Pro Phe Pro Ala
 35 40 45
 Pro Pro Thr His Trp Phe Leu Gly His Gln Lys Phe Ile Gln Asp Asp
 50 55 60
 Asn Met Glu Lys Leu Glu Glu Ile Ile Glu Lys Tyr Pro Arg Ala Phe
 65 70 75 80
 Pro Phe Trp Ile Gly Pro Phe Gln Ala Phe Phe Cys Ile Tyr Asp Pro
 85 90 95
 Asp Tyr Ala Lys Thr Leu Leu Ser Arg Thr Asp Pro Lys Ser Gln Tyr
 100 105 110
 Leu Gln Lys Phe Ser Pro Pro Leu Leu Gly Lys Gly Leu Ala Ala Leu
 115 120 125
 Asp Gly Pro Lys Trp Phe Gln His Arg Arg Leu Leu Thr Pro Gly Phe
 130 135 140
 His Phe Asn Ile Leu Lys Ala Tyr Ile Glu Val Met Ala His Ser Val
 145 150 155 160

Lys Met Met Leu Asp Lys Trp Glu Lys Ile Cys Ser Thr Gln Asp Thr
 165 170 175
 Ser Val Glu Val Tyr Glu His Ile Asn Ser Met Ser Leu Asp Ile Ile
 180 185 190
 Met Lys Cys Ala Phe Ser Lys Glu Thr Asn Cys Gln Thr Asn Ser Thr
 195 200 205
 His Asp Pro Tyr Ala Lys Ala Ile Phe Glu Leu Ser Lys Ile Ile Phe
 210 215 220
 His Arg Leu Tyr Ser Cys Cys Ile Thr Val Thr Tyr Phe Ser Asn Ser
 225 230 235 240
 Ala Xaa Arg Val Thr Val Xaa Xaa Ser
 245

<210> 1760
 <211> 509
 <212> PRT
 <213> Homo sapiens

<400> 1760
 Met Glu Phe Ser Trp Leu Glu Thr Arg Trp Ala Arg Pro Phe Tyr Leu
 1 5 10 15
 Ala Phe Val Phe Cys Leu Ala Leu Gly Leu Leu Gln Ala Ile Lys Leu
 20 25 30
 Tyr Leu Arg Arg Gln Arg Leu Leu Arg Asp Leu Arg Pro Phe Pro Ala
 35 40 45
 Pro Pro Thr His Trp Phe Leu Gly His Gln Lys Phe Ile Gln Asp Asp
 50 55 60
 Asn Met Glu Lys Leu Glu Glu Ile Ile Glu Lys Tyr Pro Arg Ala Phe
 65 70 75 80
 Pro Phe Trp Ile Gly Pro Phe Gln Ala Phe Phe Cys Ile Tyr Asp Pro
 85 90 95
 Asp Tyr Ala Lys Thr Leu Leu Ser Arg Thr Asp Pro Lys Ser Gln Tyr
 100 105 110
 Leu Gln Lys Phe Ser Pro Pro Leu Leu Gly Lys Gly Leu Ala Ala Leu
 115 120 125
 Asp Gly Pro Lys Trp Phe Gln His Arg Arg Leu Leu Thr Pro Gly Phe
 130 135 140

His	Phe	Asn	Ile	Leu	Lys	Ala	Tyr	Ile	Glu	Val	Met	Ala	His	Ser	Val	145	150	155	160
Lys	Met	Met	Leu	Asp	Lys	Trp	Glu	Lys	Ile	Cys	Ser	Thr	Gln	Asp	Thr	165	170	175	
Ser	Val	Glu	Val	Tyr	Glu	His	Ile	Asn	Ser	Met	Ser	Leu	Asp	Ile	Ile	180	185	190	
Met	Lys	Cys	Ala	Phe	Ser	Lys	Glu	Thr	Asn	Cys	Gln	Thr	Asn	Ser	Thr	195	200	205	
His	Asp	Pro	Tyr	Ala	Lys	Ala	Ile	Phe	Glu	Leu	Ser	Lys	Ile	Ile	Phe	210	215	220	
His	Arg	Leu	Tyr	Ser	Leu	Leu	Tyr	His	Ser	Asp	Ile	Ile	Phe	Lys	Leu	225	230	235	240
Ser	Pro	Gln	Gly	Tyr	Arg	Phe	Gln	Lys	Leu	Ser	Arg	Val	Leu	Asn	Gln	245	250	255	
Tyr	Thr	Asp	Thr	Ile	Ile	Gln	Glu	Arg	Lys	Lys	Ser	Leu	Gln	Ala	Gly	260	265	270	
Val	Lys	Gln	Asp	Asn	Thr	Pro	Lys	Arg	Lys	Tyr	Gln	Asp	Phe	Leu	Asp	275	280	285	
Ile	Val	Leu	Ser	Ala	Lys	Asp	Glu	Ser	Gly	Ser	Ser	Phe	Ser	Asp	Ile	290	295	300	
Asp	Val	His	Ser	Glu	Val	Ser	Thr	Phe	Leu	Leu	Ala	Gly	His	Asp	Thr	305	310	315	320
Leu	Ala	Ala	Ser	Ile	Ser	Trp	Ile	Leu	Tyr	Cys	Leu	Ala	Leu	Asn	Pro	325	330	335	
Glu	His	Gln	Glu	Arg	Cys	Arg	Glu	Glu	Val	Arg	Gly	Ile	Leu	Gly	Asp	340	345	350	
Gly	Ser	Ser	Ile	Thr	Trp	Asp	Gln	Leu	Gly	Glu	Met	Ser	Tyr	Thr	Thr	355	360	365	
Met	Cys	Ile	Lys	Glu	Thr	Cys	Arg	Leu	Ile	Pro	Ala	Val	Pro	Ser	Ile	370	375	380	
Ser	Arg	Asp	Leu	Ser	Lys	Pro	Leu	Thr	Phe	Pro	Asp	Gly	Cys	Thr	Leu	385	390	395	400
Pro	Ala	Gly	Ile	Thr	Val	Val	Leu	Ser	Ile	Trp	Gly	Leu	His	His	Asn	405	410	415	

Pro Ala Val Trp Lys Asn Pro Lys Val Phe Asp Pro Leu Arg Phe Ser
420 425 430

Gln Glu Asn Ser Asp Gln Arg His Pro Tyr Ala Tyr Leu Pro Phe Ser
435 440 445

Ala Gly Ser Arg Asn Cys Ile Gly Gln Glu Phe Ala Met Ile Glu Leu
450 455 460

Lys Val Thr Ile Ala Leu Ile Leu Leu His Phe Arg Val Thr Pro Asp
465 470 475 480

Pro Thr Arg Pro Leu Thr Phe Pro Asn His Phe Ile Leu Lys Pro Lys
485 490 495

Asn Gly Met Tyr Leu His Leu Lys Lys Leu Ser Glu Cys
500 505

<210> 1761

<211> 143

<212> PRT

<213> Homo sapiens

<400> 1761

Met Phe Lys Trp Val Arg Arg Thr Leu Ile Ala Leu Val Gln Val Thr
1 5 10 15

Phe Gly Arg Thr Ile Asn Lys Gln Ile Arg Asp Thr Val Ser Trp Ile
20 25 30

Phe Ser Glu Gln Met Leu Val Tyr Tyr Ile Asn Ile Phe Arg Asp Ala
35 40 45

Phe Trp Pro Asn Gly Lys Leu Ala Pro Pro Thr Thr Ile Arg Ser Lys
50 55 60

Glu Gln Ser Gln Glu Thr Lys Gln Arg Ala Gln Gln Lys Leu Leu Glu
65 70 75 80

Asn Ile Pro Asp Met Leu Gln Ser Leu Val Gly Gln Gln Asn Ala Arg
85 90 95

His Gly Ile Ile Lys Ile Phe Asn Ala Leu Gln Glu Thr Arg Ala Asn
100 105 110

Lys His Leu Leu Tyr Ala Leu Met Glu Leu Leu Leu Ile Glu Leu Cys
115 120 125

Pro Glu Leu Arg Val His Leu Asp Gln Leu Lys Ala Gly Gln Val
130 135 140

<210> 1762
 <211> 143
 <212> PRT
 <213> Homo sapiens

<400> 1762
 Met Phe Lys Trp Val Arg Arg Thr Leu Ile Ala Leu Val Gln Val Thr
 1 5 10 15
 Phe Gly Arg Thr Ile Asn Lys Gln Ile Arg Asp Thr Val Ser Trp Ile
 20 25 30
 Phe Ser Glu Gln Met Leu Val Tyr Tyr Ile Asn Ile Phe Arg Asp Ala
 35 40 45
 Phe Trp Pro Asn Gly Lys Leu Ala Pro Pro Thr Thr Ile Arg Ser Lys
 50 55 60
 Glu Gln Ser Gln Glu Thr Lys Gln Arg Ala Gln Gln Lys Leu Leu Glu
 65 70 75 80
 Asn Ile Pro Asp Met Leu Gln Ser Leu Val Gly Gln Gln Asn Ala Arg
 85 90 95
 His Gly Ile Ile Lys Ile Phe Asn Ala Leu Gln Glu Thr Arg Ala Asn
 100 105 110
 Lys His Leu Leu Tyr Ala Leu Met Glu Leu Leu Leu Ile Glu Leu Cys
 115 120 125
 Pro Glu Leu Arg Val His Leu Asp Gln Leu Lys Ala Gly Gln Val
 130 135 140

<210> 1763
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 1763
 Met Lys Ser Leu Ile Lys Thr Tyr Phe Leu Leu Trp Thr Leu Lys Lys
 1 5 10 15
 Leu Leu Pro Leu Ser Thr Leu Ile Pro Ile Met Leu Ser Pro Leu Asp
 20 25 30
 Ile Phe Phe Ser Asp Asn Pro His Ile Asp Cys Ser Gly His His Phe
 35 40 45

Val Pro Tyr Leu Leu Ile Gly Leu Asp Thr Asp Pro Gln Phe Thr Cys
50 55 60

Leu Tyr Leu Leu Ile Leu Thr Leu Leu Val Phe Val Phe Ser Leu Thr
65 70 75 80

Leu Leu Ser Pro Pro Ser Pro Gly
85

<210> 1764

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1764

Met Lys Ser Leu Ile Lys Thr Tyr Phe Leu Leu Trp Thr Leu Lys Lys
1 5 10 15

Leu Leu Pro Leu Ser Thr Leu Ile Pro Ile Met Leu Ser Pro Leu Asp
20 25 30

Ile Phe Phe Ser Asp Asn Pro His Ile Asp Cys Ser Gly His His Phe
35 40 45

Val Pro Tyr Leu Leu Ile Gly Leu Asp Thr Asp Pro Gln Phe Thr Cys
50 55 60

Leu Tyr Leu Leu Ile Leu Thr Leu Leu Val Phe Val Phe Ser Leu Thr
65 70 75 80

Leu Leu Ser Pro Pro Ser Pro Gly
85

<210> 1765

<211> 231

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (177)

<223> Xaa equals any of the naturally occurring L-amino acids

130		135		140
Arg Xaa Ala Gln Gly Pro Arg Thr Cys Ala Ala Gln Val Arg Gly Gly				
145		150		155 160
Gly Gly Leu Arg Gly Gly Arg Ala Ala Ala Pro Gly His His His Ala				
	165		170	175
Xaa Arg Gly Arg Arg Leu His Pro Arg Trp Pro Arg Arg Ala Asn Phe				
	180		185	190
Xaa Tyr Arg Leu Leu Leu Xaa Arg Val Ser Lys Ser Ala Ala Leu Xaa				
	195		200	205
Gln Gly Gly Thr Glu Ala Thr Phe Arg Ser Leu Phe Leu Xaa Arg Gln				
	210		215	220
Phe Asn Ser Asn Lys Leu Xaa				
225		230		

<210> 1766
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 1766

Glu Gly Phe Phe Lys Arg Leu Phe Val Thr Ser Leu Gln Glu Ala Gly				
1		5		10 15
Leu Phe Leu Phe Leu Phe Phe Leu Arg Glu Gly Val Phe His Trp Cys				
	20		25	30
Asn Gly Leu Ala Pro Pro Gly Pro Gly Arg Thr Ser Asp Leu Pro Ser				
	35		40	45
Pro Gly Phe Leu Arg Leu Gln Asp Gln Leu Gly Arg Val Lys Arg Gly				
	50		55	60
Glu Gly Val Glu Gly Gln Val Arg Ser Gln Ser Cys Pro Gly Arg Pro				
	65		70	75 80
Pro Ser Leu Ser Thr Ser Ser Ser Arg Glu Pro Ala Ala His Thr Leu				
		85	90	95
Leu Asn Ala Gly His Pro Arg Arg Leu Leu Gly Phe Glu Glu Gln Thr				
	100		105	110
Phe Phe Pro Gly Leu Ser Ala Phe Cys Pro Asn Phe Ile Cys Phe				
	115		120	125

<210> 1767
 <211> 240
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (192)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (222)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (235)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1767
 Met Ala Leu Ser Ser Leu Ile Val Ile Leu Leu Val Val Phe Ala Leu
 1 5 10 15

Val Leu His Gly Gln Asn Lys Lys Tyr Lys Asn Cys Ser Thr Gly Lys
 20 25 30

Gly Ile Ser Thr Met Glu Glu Ser Val Thr Leu Asp Asn Gly Gly Phe
 35 40 45

Ala Ala Leu Glu Leu Ser Ser Arg His Leu Asn Val Lys Ser Thr Phe
 50 55 60

Ser Lys Lys Asn Gly Thr Arg Ser Pro Pro Arg Pro Ser Pro Gly Gly
 65 70 75 80

Leu His Tyr Ser Asp Glu Asp Ile Cys Asn Lys Tyr Asn Gly Ala Val
 85 90 95

Leu Thr Glu Ser Val Ser Leu Lys Glu Lys Ser Ala Asp Ala Ser Glu
 100 105 110

Ser Glu Ala Thr Asp Ser Asp Tyr Glu Asp Ala Leu Pro Lys His Ser
 115 120 125

Phe Val Asn His Tyr Met Ser Asp Pro Thr Tyr Tyr Asn Ser Trp Lys
 130 135 140

Arg Arg Ala Gln Gly Pro Arg Thr Cys Ala Ala Gln Val Arg Gly Gly
 145 150 155 160

Gly	Gly	Leu	Arg	Gly	Gly	Arg	Ala	Ala	Ala	Pro	Gly	His	His	His	Ala
				165					170					175	
Glu	Arg	Gly	Arg	Arg	Leu	His	Pro	Arg	Trp	Pro	Arg	Arg	Ala	Asn	Xaa
			180					185					190		
Ala	His	Arg	Leu	Leu	Leu	Leu	Arg	Val	Ser	Lys	Ala	Pro	Arg	Leu	Pro
		195					200					205			
Gln	Gly	Gly	Thr	Glu	Ala	Thr	Phe	Arg	Ser	Leu	Phe	Leu	Xaa	Arg	Gln
	210					215					220				
Ser	Thr	Pro	Ile	Thr	Glu	Leu	Lys	Phe	Leu	Xaa	Lys	Lys	Lys	Lys	Ile
225					230					235					240

<210> 1768
 <211> 96
 <212> PRT
 <213> Homo sapiens

<400> 1768															
Met	Tyr	Leu	Pro	Cys	Gln	Met	Ala	Cys	Ser	Leu	Phe	Val	Leu	Phe	Val
1				5					10					15	
Ile	Trp	Leu	Leu	Leu	Lys	Ile	Phe	Gln	Ala	Gly	Pro	Gln	Leu	Met	Ser
		20						25					30		
Leu	Ala	His	Gly	Ser	Ala	Thr	Leu	Val	Leu	Asp	Gly	Met	Asn	Ile	Phe
		35					40					45			
Gly	Pro	Ser	Gly	Tyr	Gly	Gln	Glu	Cys	Arg	Val	Ala	Cys	Asn	Tyr	Phe
	50					55					60				
Arg	Lys	Cys	Arg	Val	Pro	Ser	Trp	Ala	Arg	Cys	Leu	Met	Pro	Val	Ile
65					70					75					80
Pro	Ala	Leu	Trp	Glu	Ala	Glu	Ala	Ala	Asp	Gln	Leu	Arg	Leu	Gly	Val
				85					90					95	

<210> 1769
 <211> 57

<212> PRT
<213> Homo sapiens

<400> 1769

Leu	Tyr	Gln	Glu	Lys	Pro	Leu	Met	Trp	Pro	Arg	Thr	Ser	Leu	Leu	Tyr
1				5				10						15	
Val	Val	Pro	Arg	Trp	Leu	Leu	Pro	Cys	Ser	Ser	Leu	Pro	Cys	Pro	Leu
			20					25					30		
Pro	Glu	Ile	Lys	Asn	Ser	Leu	Thr	Glu	Lys	Lys	Lys	Lys	Lys	Lys	Lys
		35					40					45			
Asn	Lys	Lys	Lys	Lys	Lys	Gly	Arg	Pro							
	50					55									

<210> 1770

<211> 104

<212> PRT

<213> Homo sapiens

<400> 1770

Met	Tyr	Leu	Pro	Cys	Gln	Met	Ala	Cys	Ser	Leu	Phe	Val	Leu	Phe	Val
1				5				10						15	
Ile	Trp	Leu	Leu	Leu	Lys	Ile	Phe	Gln	Ala	Gly	Pro	Gln	Leu	Met	Ser
			20					25					30		
Leu	Ala	His	Gly	Ser	Ala	Thr	Leu	Val	Leu	Asp	Gly	Met	Asn	Ile	Phe
		35					40				45				
Gly	Pro	Ser	Gly	Tyr	Gly	Gln	Glu	Cys	Arg	Val	Ala	Cys	Asn	Tyr	Phe
	50					55					60				
Arg	Lys	Cys	Arg	Val	Pro	Ser	Trp	Ala	Arg	Cys	Leu	Met	Pro	Val	Ile
	65					70				75					80
Pro	Ala	Leu	Trp	Glu	Ala	Glu	Ala	Gly	Arg	Ser	Ala	Glu	Val	Arg	Ser
				85					90					95	
Leu	Arg	Pro	Ala	Trp	Pro	Thr	Trp								
					100										

<210> 1771

<211> 206

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (176)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (180)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (188)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (189)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (198)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (200)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (206)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1771
 Met Ala Asn Phe Lys Gly His Ala Leu Pro Gly Ser Phe Phe Leu Ile
 1 5 10 15

Ile Gly Leu Cys Trp Ser Val Lys Tyr Pro Leu Lys Tyr Phe Ser His
 20 25 30

Thr Arg Lys Asn Ser Pro Leu His Tyr Tyr Gln Arg Leu Glu Ile Val
 35 40 45

Glu Ala Ala Ile Arg Thr Leu Phe Ser Val Thr Val Ser Gly Ile Val
 50 55 60

Asp Met Leu Thr Tyr Leu Val Ser His Val Pro Leu Gly Val Asp Arg
 65 70 75 80

Leu Val Met Ala Val Ala Val Phe Met Glu Gly Phe Leu Phe Tyr Tyr

				85						90						95			
His	Val	His	Asn	Arg	Pro	Pro	Leu	Asp	Gln	His	Ile	His	Ser	Leu	Leu				
			100					105					110						
Leu	Tyr	Ala	Leu	Phe	Gly	Gly	Cys	Val	Ser	Ile	Ser	Leu	Glu	Val	Ile				
		115					120					125							
Phe	Arg	Asp	His	Ile	Val	Leu	Glu	Leu	Phe	Arg	Thr	Ser	Leu	Ile	Ile				
	130					135					140								
Leu	Gln	Gly	Thr	Trp	Phe	Trp	Gln	Ile	Gly	Phe	Val	Leu	Phe	Pro	Pro				
145					150					155					160				
Phe	Gly	Thr	Pro	Glu	Trp	Asp	Gln	Lys	Asp	Asp	Ala	Asn	Leu	Met	Xaa				
				165					170					175					
Ile	Thr	Met	Xaa	Phe	Cys	Cys	Thr	Thr	Trp	Leu	Xaa	Xaa	Thr	Leu	Trp				
		180						185					190						
Pro	Gln	Leu	Phe	Ser	Xaa	Tyr	Xaa	Leu	Phe	Asp	Ser	Asp	Xaa						
		195					200					205							

<210> 1772

<211> 275

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1772

Met	Ala	Asn	Phe	Lys	Gly	His	Ala	Leu	Pro	Gly	Ser	Phe	Phe	Leu	Ile
1				5					10					15	

Ile	Gly	Leu	Cys	Trp	Ser	Val	Lys	Tyr	Pro	Leu	Lys	Tyr	Phe	Ser	His
		20						25					30		

Thr	Arg	Lys	Asn	Ser	Pro	Leu	His	Tyr	Tyr	Gln	Arg	Leu	Glu	Ile	Val
		35					40					45			

Glu	Ala	Ala	Ile	Arg	Thr	Leu	Phe	Ser	Val	Xaa	Gly	Ile	Leu	Ala	Glu
	50					55					60				

Gln	Phe	Val	Pro	Asp	Gly	Pro	His	Leu	His	Leu	Tyr	His	Glu	Asn	His
65					70					75				80	

Trp	Ile	Lys	Leu	Met	Asn	Trp	Gln	His	Ser	Thr	Met	Tyr	Leu	Phe	Phe
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

				85					90					95		
Ala	Val	Ser	Gly	Ile	Val	Asp	Met	Leu	Thr	Tyr	Leu	Val	Ser	His	Val	
			100					105					110			
Pro	Leu	Gly	Val	Asp	Arg	Leu	Val	Met	Ala	Val	Ala	Val	Phe	Met	Glu	
		115					120					125				
Gly	Phe	Leu	Phe	Tyr	Tyr	His	Val	His	Asn	Arg	Pro	Pro	Leu	Asp	Gln	
	130					135					140					
His	Ile	His	Ser	Leu	Leu	Leu	Tyr	Ala	Leu	Phe	Gly	Gly	Cys	Val	Ser	
145					150					155					160	
Ile	Ser	Leu	Glu	Val	Ile	Phe	Arg	Asp	His	Ile	Val	Leu	Glu	Leu	Phe	
				165					170					175		
Arg	Thr	Ser	Leu	Ile	Ile	Leu	Gln	Gly	Thr	Trp	Phe	Trp	Gln	Ile	Gly	
			180					185					190			
Phe	Val	Leu	Phe	Pro	Pro	Phe	Gly	Thr	Pro	Glu	Trp	Asp	Gln	Lys	Asp	
		195					200					205				
Asp	Ala	Asn	Leu	Met	Phe	Ile	Thr	Met	Cys	Phe	Cys	Trp	His	Tyr	Leu	
	210					215					220					
Ala	Ala	Leu	Ser	Ile	Val	Ala	Val	Asn	Tyr	Ser	Leu	Val	Tyr	Cys	Leu	
225					230					235					240	
Leu	Thr	Arg	Met	Lys	Arg	His	Gly	Arg	Gly	Glu	Ile	Ile	Gly	Ile	Gln	
				245					250					255		
Lys	Leu	Asn	Ser	Asp	Asp	Thr	Tyr	Gln	Thr	Ala	Leu	Leu	Ser	Gly	Ser	
			260					265					270			
Asp	Glu	Glu														
		275														

<210> 1773
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 1773
 Met Ala Asn Phe Lys Gly His Ala Leu Pro Gly Ser Phe Phe Leu Ile
 1 5 10 15
 Ile Gly Leu Cys Trp Ser Val Lys Tyr Pro Leu Lys Tyr Phe Ser His
 20 25 30

Thr Arg Lys Asn Ser Pro Leu His Tyr Tyr Gln Arg Leu Glu Ile Val
 35 40 45
 Glu Ala Ala Ile Arg Thr Leu Phe Ser Val Thr Val Ser Gly Ile Val
 50 55 60
 Asp Met Leu Thr Tyr Leu Val Ser His Val Pro Leu Gly Val Asp Arg
 65 70 75 80
 Leu Val Met Ala Val Ala Val Phe Met Glu Gly Phe Leu Phe Tyr Tyr
 85 90 95
 His Val His Asn Arg Pro Pro Leu Asp Gln His Ile His Ser Leu Leu
 100 105 110
 Leu Tyr Ala Leu Phe Gly Gly Cys Val Ser Ile Ser Leu Glu Val Ile
 115 120 125
 Phe Arg Asp His Ile Val Leu Glu Leu Phe Arg Thr Ser Leu Ile Ile
 130 135 140
 Leu Gln Gly Thr Trp Phe Trp Gln Ile Gly Phe Val Leu Phe Pro Pro
 145 150 155 160
 Phe Gly Thr Pro Glu Trp Asp Gln Lys Asp Asp Ala Asn Leu Met Phe
 165 170 175
 Ile Thr Met Cys Phe Cys Trp His Tyr Leu Ala Ala Leu Ser Ile Val
 180 185 190
 Ala Val Asn Tyr Ser Leu Val Tyr Cys Leu Leu Thr Arg Met Lys Arg
 195 200 205
 His Gly Arg Gly Glu Ile Ile Gly Ile Gln Lys Leu Asn Ser Asp Asp
 210 215 220
 Thr Tyr Gln Thr Ala Leu Leu Ser Gly Ser Asp Glu Glu
 225 230 235

<210> 1774

<211> 69

<212> PRT

<213> Homo sapiens

<400> 1774

Met His Gly Met His Ala Ala Gly Thr Gly Thr Glu Leu Thr Leu Ser
 1 5 10 15
 Gly Cys Gln Pro Leu Ser Thr Leu Leu Leu Leu Leu Tyr Tyr Cys
 20 25 30

Pro Ser Phe Val His Ser Ile Asn Met Cys Lys Ala Ala Ala Leu Ser
35 40 45
Leu Pro Trp Ala Ala Gly Gln His Arg Gly Gly Leu Ser Gly Gly Ala
50 55 60
Gly Glu Arg Met Ala
65

<210> 1775
<211> 69
<212> PRT
<213> Homo sapiens

<400> 1775
Met His Gly Met His Ala Ala Gly Thr Gly Thr Glu Leu Thr Leu Ser
1 5 10 15
Gly Cys Gln Pro Leu Ser Thr Leu Leu Leu Leu Leu Tyr Tyr Cys
20 25 30
Pro Ser Phe Val His Ser Ile Asn Met Cys Lys Ala Ala Ala Leu Ser
35 40 45
Leu Pro Trp Ala Ala Gly Gln His Arg Gly Gly Leu Ser Gly Gly Ala
50 55 60
Gly Glu Arg Met Ala
65

<210> 1776
<211> 222
<212> PRT
<213> Homo sapiens

<400> 1776
Met Thr Gly Gln Ile Pro Arg Leu Ser Lys Val Asn Leu Phe Thr Leu
1 5 10 15
Leu Ser Leu Trp Met Glu Leu Phe Pro Ala Glu Ala Gln Arg Gln Lys
20 25 30
Ser Gln Lys Asn Glu Glu Gly Lys His Gly Pro Leu Gly Asp Asn Glu
35 40 45
Glu Arg Thr Arg Val Ser Thr Asp Lys Arg Gln Val Lys Arg Thr Gly
50 55 60

Leu	Val	Val	Val	Lys	Asn	Met	Lys	Ile	Val	Gly	Leu	His	Cys	Ser	Ser	65	70	75	80
Glu	Asp	Leu	His	Ala	Gly	Gln	Ile	Ala	Leu	Ile	Lys	His	Gly	Ser	Arg	85	90	95	
Leu	Lys	Asn	Cys	Asp	Leu	Tyr	Phe	Ser	Arg	Lys	Pro	Cys	Ser	Ala	Cys	100	105	110	
Leu	Lys	Met	Ile	Val	Asn	Ala	Gly	Val	Asn	Arg	Ile	Ser	Tyr	Trp	Pro	115	120	125	
Ala	Asp	Pro	Glu	Ile	Ser	Leu	Leu	Thr	Glu	Ala	Ser	Ser	Ser	Glu	Asp	130	135	140	
Ala	Lys	Leu	Asp	Ala	Lys	Ala	Val	Glu	Arg	Leu	Lys	Ser	Asn	Ser	Arg	145	150	155	160
Ala	His	Val	Cys	Val	Leu	Leu	Gln	Pro	Leu	Val	Cys	Tyr	Met	Val	Gln	165	170	175	
Phe	Val	Glu	Glu	Thr	Ser	Tyr	Lys	Cys	Asp	Phe	Ile	Gln	Lys	Ile	Thr	180	185	190	
Lys	Thr	Leu	Pro	Asp	Ala	Asn	Thr	Asp	Phe	Tyr	Tyr	Glu	Cys	Lys	Gln	195	200	205	
Glu	Arg	Ile	Lys	Glu	Tyr	Glu	Met	Leu	Lys	Lys	Lys	Lys	Lys			210	215	220	

<210> 1777

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1777

Ile	Leu	Lys	Val	Leu	Lys	Val	Trp	Ser	Phe	Gln	Leu	Phe	Gln	Ile	Ala	1	5	10	15
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---	---	----	----

Val	Cys	Asp	Phe	Ser	His	Phe	Tyr	Leu	Leu	Arg	Asn	Ile	His	Lys	Ile
			20					25					30		
Ile	Pro	Lys	Met	Lys	Val	His	Phe	Leu	Phe	Ser	Pro	Arg	Leu	Glu	Arg
		35					40					45			
Gly	Gly	Leu	Gly	Cys	Phe	Met	Arg	Asn	Val	Phe	Leu	Asp	Leu	Arg	Trp
	50					55					60				
Ser	Gly	Leu	Pro	Leu	Leu	Xaa	Phe	Pro	Ala	Phe	Pro	Pro	His	His	Thr
	65				70					75					80
Ala	Ser	Leu	Gly	Phe	Leu	Pro	Val	Ser	Gln	Asn	Tyr	Thr	His	Asp	His
				85					90					95	
Pro	Asn	Ile	Gly	Ser	Met	Pro	Xaa	Leu							
			100					105							

<210> 1778
 <211> 489
 <212> PRT
 <213> Homo sapiens

<400> 1778															
Met	Thr	Gly	Gln	Ile	Pro	Arg	Leu	Ser	Lys	Val	Asn	Leu	Phe	Thr	Leu
1				5					10					15	
Leu	Ser	Leu	Trp	Met	Glu	Leu	Phe	Pro	Ala	Glu	Ala	Gln	Arg	Gln	Lys
			20					25					30		
Ser	Gln	Lys	Asn	Glu	Glu	Gly	Lys	His	Gly	Pro	Leu	Gly	Asp	Asn	Glu
		35					40					45			
Glu	Arg	Thr	Arg	Val	Ser	Thr	Asp	Lys	Arg	Gln	Val	Lys	Arg	Thr	Gly
	50					55					60				
Leu	Val	Val	Val	Lys	Asn	Met	Lys	Ile	Val	Gly	Leu	His	Cys	Ser	Ser
	65				70					75					80
Glu	Asp	Leu	His	Ala	Gly	Gln	Ile	Ala	Leu	Ile	Lys	His	Gly	Ser	Arg
				85				90						95	
Leu	Lys	Asn	Cys	Asp	Leu	Tyr	Phe	Ser	Arg	Lys	Pro	Cys	Ser	Ala	Cys
			100					105					110		
Leu	Lys	Met	Ile	Val	Asn	Ala	Gly	Val	Asn	Arg	Ile	Ser	Tyr	Trp	Pro
		115					120					125			
Ala	Asp	Pro	Glu	Ile	Ser	Leu	Leu	Thr	Glu	Ala	Ser	Ser	Ser	Glu	Asp
	130					135					140				

Ala	Lys	Leu	Asp	Ala	Lys	Ala	Val	Glu	Arg	Leu	Lys	Ser	Asn	Ser	Arg	145	150	155	160
Ala	His	Val	Cys	Val	Leu	Leu	Gln	Pro	Leu	Val	Cys	Tyr	Met	Val	Gln	165	170	175	
Phe	Val	Glu	Glu	Thr	Ser	Tyr	Lys	Cys	Asp	Phe	Ile	Gln	Lys	Ile	Thr	180	185	190	
Lys	Thr	Leu	Pro	Asp	Ala	Asn	Thr	Asp	Phe	Tyr	Tyr	Glu	Cys	Lys	Gln	195	200	205	
Glu	Arg	Ile	Lys	Glu	Tyr	Glu	Met	Leu	Phe	Leu	Val	Ser	Asn	Glu	Glu	210	215	220	
Met	His	Lys	Gln	Ile	Leu	Met	Thr	Ile	Gly	Leu	Glu	Asn	Leu	Cys	Glu	225	230	235	240
Asn	Pro	Tyr	Phe	Ser	Asn	Leu	Arg	Gln	Asn	Met	Lys	Asp	Leu	Ile	Leu	245	250	255	
Leu	Leu	Ala	Thr	Val	Ala	Ser	Ser	Val	Pro	Asn	Phe	Lys	His	Phe	Gly	260	265	270	
Phe	Tyr	Arg	Ser	Asn	Pro	Glu	Gln	Ile	Asn	Glu	Ile	His	Asn	Gln	Ser	275	280	285	
Leu	Pro	Gln	Glu	Ile	Ala	Arg	His	Cys	Met	Val	Gln	Ala	Arg	Leu	Leu	290	295	300	
Ala	Tyr	Arg	Thr	Glu	Asp	His	Lys	Thr	Gly	Val	Gly	Ala	Val	Ile	Trp	305	310	315	320
Ala	Glu	Gly	Lys	Ser	Arg	Ser	Cys	Asp	Gly	Thr	Gly	Ala	Met	Tyr	Phe	325	330	335	
Val	Gly	Cys	Gly	Tyr	Asn	Ala	Phe	Pro	Val	Gly	Ser	Glu	Tyr	Ala	Asp	340	345	350	
Phe	Pro	His	Met	Asp	Asp	Lys	Gln	Lys	Asp	Arg	Glu	Ile	Arg	Lys	Phe	355	360	365	
Arg	Tyr	Ile	Ile	His	Ala	Glu	Gln	Asn	Ala	Leu	Thr	Phe	Arg	Cys	Gln	370	375	380	
Glu	Ile	Lys	Pro	Glu	Glu	Arg	Ser	Met	Ile	Phe	Val	Thr	Lys	Cys	Pro	385	390	395	400
Cys	Asp	Glu	Cys	Val	Pro	Leu	Ile	Lys	Gly	Ala	Gly	Ile	Lys	Gln	Ile	405	410	415	

Tyr Ala Gly Asp Val Asp Val Gly Lys Lys Lys Ala Asp Ile Ser Tyr
 420 425 430

Met Arg Phe Gly Glu Leu Glu Gly Val Ser Lys Phe Thr Trp Gln Leu
 435 440 445

Asn Pro Ser Gly Ala Tyr Gly Leu Glu Gln Asn Glu Pro Glu Arg Arg
 450 455 460

Glu Asn Gly Val Leu Arg Pro Val Pro Gln Lys Glu Glu Gln His Gln
 465 470 475 480

Asp Lys Lys Leu Arg Leu Gly Ile His
 485

<210> 1779

<211> 267

<212> PRT

<213> Homo sapiens

<400> 1779

Met Thr Gly Gln Ile Pro Arg Leu Ser Lys Val Asn Leu Phe Thr Leu
 1 5 10 15

Leu Ser Leu Trp Met Glu Leu Phe Pro Ala Glu Ala Gln Arg Gln Lys
 20 25 30

Ser Gln Lys Asn Glu Glu Gly Lys His Gly Pro Leu Gly Asp Asn Glu
 35 40 45

Glu Arg Thr Arg Val Ser Thr Asp Lys Arg Gln Val Lys Arg Thr Gly
 50 55 60

Leu Val Val Val Lys Asn Met Lys Ile Val Gly Leu His Cys Ser Ser
 65 70 75 80

Glu Asp Leu His Ala Gly Gln Ile Ala Leu Ile Lys His Gly Ser Arg
 85 90 95

Leu Lys Asn Cys Asp Leu Tyr Phe Ser Arg Lys Pro Cys Ser Ala Cys
 100 105 110

Leu Lys Met Ile Val Asn Ala Gly Val Asn Arg Ile Ser Tyr Trp Pro
 115 120 125

Ala Asp Pro Glu Ile Ser Leu Leu Thr Glu Ala Ser Ser Ser Glu Asp
 130 135 140

Ala Lys Leu Asp Ala Lys Ala Val Glu Arg Leu Lys Ser Asn Ser Arg
 145 150 155 160

Ala	His	Val	Cys	Val	Leu	Leu	Gln	Pro	Leu	Val	Cys	Tyr	Met	Val	Gln
				165					170					175	
Phe	Val	Glu	Glu	Thr	Ser	Tyr	Lys	Cys	Asp	Phe	Ile	Gln	Lys	Ile	Thr
			180					185					190		
Lys	Thr	Leu	Pro	Asp	Ala	Asn	Thr	Asp	Phe	Tyr	Tyr	Glu	Cys	Lys	Gln
		195					200					205			
Glu	Arg	Ile	Lys	Glu	Tyr	Glu	Met	Leu	Phe	Leu	Val	Ser	Asn	Glu	Glu
	210					215					220				
Met	His	Lys	Gln	Ile	Leu	Met	Thr	Ile	Gly	Leu	Glu	Asn	Leu	Cys	Glu
225					230					235					240
Asn	Pro	Tyr	Phe	Ser	Asn	Leu	Arg	Gln	Asn	Met	Lys	Asp	Leu	Ile	Leu
				245					250					255	
Leu	Leu	Ala	Thr	Val	Ala	Ser	Met	Cys	Arg	Leu					
			260					265							

<210> 1780
 <211> 196
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (157)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (169)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (172)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (179)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (191)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1780

Met	Tyr	Leu	Leu	Glu	Gln	Ile	Asp	Met	His	Gly	Phe	Gly	Gly	Thr	Ala
1				5					10					15	

Ala	Thr	Ser	Pro	Leu	Thr	Ala	Val	Phe	Ser	Leu	Ser	Arg	Ser	Leu	Leu
			20					25					30		

Ala	Ala	Ala	Leu	Leu	Tyr	Gly	Phe	Cys	Leu	Gly	Ala	Ile	Lys	Thr	Pro
		35					40					45			

Trp	Pro	Glu	Gln	His	Val	Pro	Val	Leu	Phe	Ser	Val	Phe	Cys	Gly	Leu
	50					55					60				

Leu	Val	Ala	Leu	Ser	Tyr	His	Leu	Ser	Arg	Gln	Ser	Ser	Asp	Pro	Thr
65					70					75					80

Val	Leu	Trp	Ser	Leu	Ile	Arg	Ser	Lys	Leu	Phe	Pro	Glu	Leu	Glu	Glu
				85					90					95	

Arg	Ser	Leu	Glu	Thr	Ala	Arg	Ala	Glu	Pro	Pro	Asp	Pro	Leu	Pro	Asp
			100					105					110		

Lys	Met	Arg	Gln	Ser	Val	Arg	Glu	Val	Leu	His	Ser	Asp	Leu	Val	Met
		115					120					125			

Cys	Val	Val	Ile	Ala	Val	Leu	Thr	Phe	Ala	Ile	Ser	Ala	Ser	Thr	Val
	130					135					140				

Phe	Ile	Ala	Leu	Lys	Ser	Val	Leu	Gly	Phe	Val	Leu	Xaa	Ala	Leu	Ala
145					150					155					160

Gly	Gly	Arg	Gly	Leu	Leu	His	Thr	Xaa	Pro	Xaa	Xaa	Thr	Xaa	Pro	Gln
				165					170					175	

Asn	Ser	Xaa	Pro	Gly	Ser	Ala	Cys	His	Ser	Arg	Ala	Glu	Thr	Xaa	Gly
			180					185					190		

Ile	Gln	Pro	Gly
			195

<210> 1781
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1781
His Ile Ile Ser Ala His Val Ser Phe Thr Arg Lys Leu Ile Leu Tyr
1 5 10 15
Ser Asn Thr Trp Gln Xaa Ala Gly Ser Arg Ala Leu Arg Val Thr Leu
20 25 30
Ala Asp Gln Ser Pro Ile Pro Pro Phe Trp Val Val Gly Ser Leu Phe
35 40 45
Cys Pro Arg Xaa Ala Glu Ala Ser Glu Ser Leu Ser Val Pro
50 55 60

<210> 1782
<211> 577
<212> PRT
<213> Homo sapiens

<400> 1782
Met Tyr Leu Leu Glu Gln Ile Asp Met His Gly Phe Gly Gly Thr Ala
1 5 10 15
Ala Thr Ser Pro Leu Thr Ala Val Phe Ser Leu Ser Arg Ser Leu Leu
20 25 30
Ala Ala Ala Leu Leu Tyr Gly Phe Cys Leu Gly Ala Ile Lys Thr Pro
35 40 45
Trp Pro Glu Gln His Val Pro Val Leu Phe Ser Val Phe Cys Gly Leu
50 55 60
Leu Val Ala Leu Ser Tyr His Leu Ser Arg Gln Ser Ser Asp Pro Thr
65 70 75 80

Val	Leu	Trp	Ser	Leu	Ile	Arg	Ser	Lys	Leu	Phe	Pro	Glu	Leu	Glu	Glu	85	90	95
Arg	Ser	Leu	Glu	Thr	Ala	Arg	Ala	Glu	Pro	Pro	Asp	Pro	Leu	Pro	Asp	100	105	110
Lys	Met	Arg	Gln	Ser	Val	Arg	Glu	Val	Leu	His	Ser	Asp	Leu	Val	Met	115	120	125
Cys	Val	Val	Ile	Ala	Val	Leu	Thr	Phe	Ala	Ile	Ser	Ala	Ser	Thr	Val	130	135	140
Phe	Ile	Ala	Leu	Lys	Ser	Val	Leu	Gly	Phe	Val	Leu	Tyr	Ala	Leu	Ala	145	150	155
Gly	Ala	Val	Gly	Phe	Phe	Thr	His	Tyr	Leu	Leu	Pro	Gln	Leu	Arg	Lys	165	170	175
Gln	Leu	Pro	Trp	Phe	Cys	Leu	Ser	Gln	Pro	Val	Leu	Lys	Pro	Leu	Glu	180	185	190
Tyr	Ser	Gln	Tyr	Glu	Val	Arg	Gly	Ala	Ala	Gln	Val	Met	Trp	Phe	Glu	195	200	205
Lys	Leu	Tyr	Ala	Gly	Leu	Gln	Cys	Val	Glu	Lys	Tyr	Leu	Ile	Tyr	Pro	210	215	220
Ala	Val	Val	Leu	Asn	Ala	Leu	Thr	Val	Asp	Ala	His	Thr	Val	Val	Ser	225	230	235
His	Pro	Asp	Lys	Tyr	Cys	Phe	Tyr	Cys	Arg	Ala	Leu	Leu	Met	Thr	Val	245	250	255
Ala	Gly	Leu	Lys	Leu	Leu	Arg	Ser	Ala	Phe	Cys	Cys	Pro	Pro	Gln	Gln	260	265	270
Tyr	Leu	Thr	Leu	Ala	Phe	Thr	Val	Leu	Leu	Phe	His	Phe	Asp	Tyr	Pro	275	280	285
Arg	Leu	Ser	Gln	Gly	Phe	Leu	Leu	Asp	Tyr	Phe	Leu	Met	Ser	Leu	Leu	290	295	300
Cys	Ser	Lys	Leu	Trp	Asp	Leu	Leu	Tyr	Lys	Leu	Arg	Phe	Val	Leu	Thr	305	310	315
Tyr	Ile	Ala	Pro	Trp	Gln	Ile	Thr	Trp	Gly	Ser	Ala	Phe	His	Ala	Phe	325	330	335
Ala	Gln	Pro	Phe	Ala	Val	Pro	His	Ser	Ala	Met	Leu	Phe	Val	Gln	Ala	340	345	350

Leu Leu Ser Gly Leu Phe Ser Thr Pro Leu Asn Pro Leu Leu Gly Ser
 355 360 365
 Ala Val Phe Ile Met Ser Tyr Ala Arg Pro Leu Lys Phe Trp Glu Arg
 370 375 380
 Asp Tyr Asn Thr Lys Arg Val Asp His Ser Asn Thr Arg Leu Val Thr
 385 390 395 400
 Gln Leu Asp Arg Asn Pro Gly Ala Asp Asp Asn Asn Leu Asn Ser Ile
 405 410 415
 Phe Tyr Glu His Leu Thr Arg Ser Leu Gln His Thr Leu Cys Gly Asp
 420 425 430
 Leu Val Leu Gly Arg Trp Gly Asn Tyr Gly Pro Gly Asp Cys Phe Val
 435 440 445
 Leu Ala Ser Asp Tyr Leu Asn Ala Leu Val His Leu Ile Glu Val Gly
 450 455 460
 Asn Gly Leu Val Thr Phe Gln Leu Arg Gly Leu Glu Phe Arg Gly Thr
 465 470 475 480
 Tyr Cys Gln Gln Arg Glu Val Glu Ala Ile Thr Glu Gly Val Glu Glu
 485 490 495
 Asp Glu Gly Cys Cys Cys Cys Glu Pro Gly His Leu Pro Arg Val Leu
 500 505 510
 Ser Phe Asn Ala Ala Phe Gly Gln Arg Trp Leu Ala Trp Glu Val Thr
 515 520 525
 Ala Ser Lys Tyr Val Leu Glu Gly Tyr Ser Ile Ser Asp Asn Asn Ala
 530 535 540
 Ala Ser Met Leu Gln Val Phe Asp Leu Arg Lys Ile Leu Ile Thr Tyr
 545 550 555 560
 Tyr Val Lys Val Arg Trp Ala Gly Val Ala Gly Gln Gln Gly Pro Cys
 565 570 575

Gly

<210> 1783
 <211> 177
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (175)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1783
 Met Lys Leu Leu Leu Leu His Pro Ala Phe Gln Ser Cys Leu Leu Leu
 1 5 10 15
 Thr Leu Leu Gly Leu Trp Arg Thr Thr Pro Glu Ala His Ala Ser Ser
 20 25 30
 Pro Gly Ala Pro Ala Ile Ser Ala Ala Ser Phe Leu Gln Asp Leu Ile
 35 40 45
 His Arg Tyr Gly Glu Gly Asp Ser Leu Thr Leu Gln Gln Leu Lys Ala
 50 55 60
 Leu Leu Asn His Leu Asp Val Gly Val Gly Arg Gly Asn Val Thr Gln
 65 70 75 80
 His Val Gln Gly His Arg Asn Leu Ser Thr Cys Phe Ser Ser Gly Asp
 85 90 95
 Leu Phe Thr Ala His Asn Phe Ser Glu Gln Ser Arg Ile Gly Ser Ser
 100 105 110
 Glu Leu Gln Glu Phe Cys Pro Thr Ile Leu Gln Gln Leu Asp Ser Arg
 115 120 125
 Ala Cys Thr Ser Glu Asn Gln Glu Asn Glu Glu Asn Glu Gln Thr Glu
 130 135 140
 Xaa Gly Arg Pro Ser Ala Val Glu Val Trp Gly Tyr Gly Leu Leu Cys
 145 150 155 160
 Val Thr Val Ser Pro Ser Ala Pro Ser Trp Gly Pro Ala Trp Xaa Pro
 165 170 175

 Ser

<210> 1784
 <211> 492
 <212> PRT

<213> Homo sapiens

<400> 1784

Met	Lys	Leu	Leu	Leu	Leu	His	Pro	Ala	Phe	Gln	Ser	Cys	Leu	Leu	Leu	
1					5				10					15		
Thr	Leu	Leu	Gly	Leu	Trp	Arg	Thr	Thr	Pro	Glu	Ala	His	Ala	Ser	Ser	
			20					25					30			
Pro	Gly	Ala	Pro	Ala	Ile	Ser	Ala	Ala	Ser	Phe	Leu	Gln	Asp	Leu	Ile	
		35					40					45				
His	Arg	Tyr	Gly	Glu	Gly	Asp	Ser	Leu	Thr	Leu	Gln	Gln	Leu	Lys	Ala	
	50					55					60					
Leu	Leu	Asn	His	Leu	Asp	Val	Gly	Val	Gly	Arg	Gly	Asn	Val	Thr	Gln	
65					70					75					80	
His	Val	Gln	Gly	His	Arg	Asn	Leu	Ser	Thr	Cys	Phe	Ser	Ser	Gly	Asp	
				85					90					95		
Leu	Phe	Thr	Ala	His	Asn	Phe	Ser	Glu	Gln	Ser	Arg	Ile	Gly	Ser	Ser	
			100					105					110			
Glu	Leu	Gln	Glu	Phe	Cys	Pro	Thr	Ile	Leu	Gln	Gln	Leu	Asp	Ser	Arg	
		115					120					125				
Ala	Cys	Thr	Ser	Glu	Asn	Gln	Glu	Asn	Glu	Glu	Asn	Glu	Gln	Thr	Glu	
	130					135					140					
Glu	Gly	Arg	Pro	Ser	Ala	Val	Glu	Val	Trp	Gly	Tyr	Gly	Leu	Leu	Cys	
145					150					155					160	
Val	Thr	Val	Ile	Ser	Leu	Cys	Ser	Leu	Leu	Gly	Ala	Ser	Val	Val	Pro	
				165					170					175		
Phe	Met	Lys	Lys	Thr	Phe	Tyr	Lys	Arg	Leu	Leu	Leu	Tyr	Phe	Ile	Ala	
			180					185					190			
Leu	Ala	Ile	Gly	Thr	Leu	Tyr	Ser	Asn	Ala	Leu	Phe	Gln	Leu	Ile	Pro	
		195					200					205				
Glu	Ala	Phe	Gly	Phe	Asn	Pro	Leu	Glu	Asp	Tyr	Tyr	Val	Ser	Lys	Ser	
	210					215					220					
Ala	Val	Val	Phe	Gly	Gly	Phe	Tyr	Leu	Phe	Phe	Phe	Thr	Glu	Lys	Ile	
225					230					235					240	
Leu	Lys	Ile	Leu	Leu	Lys	Gln	Lys	Asn	Glu	His	His	His	Gly	His	Ser	
				245					250					255		
His	Tyr	Ala	Ser	Glu	Ser	Leu	Pro	Ser	Lys	Lys	Asp	Gln	Glu	Glu	Gly	

260	265	270
Val Met Glu Lys Leu Gln Asn Gly Asp Leu Asp His Met Ile Pro Gln		
275	280	285
His Cys Ser Ser Glu Leu Asp Gly Lys Ala Pro Met Val Asp Glu Lys		
290	295	300
Val Ile Val Gly Ser Leu Ser Val Gln Asp Leu Gln Ala Ser Gln Ser		
305	310	315
Ala Cys Tyr Trp Leu Lys Gly Val Arg Tyr Ser Asp Ile Gly Thr Leu		
	325	330
Ala Trp Met Ile Thr Leu Ser Asp Gly Leu His Asn Phe Ile Asp Gly		
	340	345
Leu Ala Ile Gly Ala Ser Phe Thr Val Ser Val Phe Gln Gly Ile Ser		
	355	360
Thr Ser Val Ala Ile Leu Cys Glu Glu Phe Pro His Glu Leu Gly Asp		
	370	375
Phe Val Ile Leu Leu Asn Ala Gly Met Ser Ile Gln Gln Ala Leu Phe		
385	390	395
Phe Asn Phe Leu Ser Ala Cys Cys Cys Tyr Leu Gly Leu Ala Phe Gly		
	405	410
Ile Leu Ala Gly Ser His Phe Ser Ala Asn Trp Ile Phe Ala Leu Ala		
	420	425
Gly Gly Met Phe Leu Tyr Ile Ser Leu Ala Asp Met Phe Pro Glu Met		
	435	440
Asn Glu Val Cys Gln Glu Asp Glu Arg Lys Gly Ser Ile Leu Ile Pro		
	450	455
Phe Ile Ile Gln Asn Leu Gly Leu Leu Thr Gly Phe Thr Ile Met Val		
465	470	475
Val Leu Thr Met Tyr Ser Gly Gln Ile Gln Ile Gly		
	485	490

<210> 1785

<211> 192

<212> PRT

<213> Homo sapiens

<400> 1785

Met	Gly	Lys	Ile	Ser	Val	Ser	Phe	Leu	Ile	Phe	Ala	Phe	Leu	Phe	Lys	1	5	10	15
Gly	Phe	Ser	Ile	Gly	Lys	Ala	Thr	Asp	Arg	Met	Asp	Ala	Phe	Arg	Lys	20	25	30	
Ala	Lys	Asn	Arg	Ala	Val	His	His	Leu	His	Tyr	Ile	Glu	Arg	Tyr	Glu	35	40	45	
Asp	His	Thr	Ile	Phe	His	Asp	Ile	Ser	Leu	Arg	Phe	Lys	Arg	Thr	His	50	55	60	
Ile	Lys	Met	Lys	Lys	Gln	Pro	Lys	Gly	Tyr	Gly	Leu	Arg	Cys	His	Arg	65	70	75	80
Ala	Ile	Ile	Thr	Ile	Cys	Arg	Leu	Ile	Gly	Ile	Lys	Asp	Met	Tyr	Ala	85	90	95	
Lys	Val	Ser	Gly	Ser	Ile	Asn	Met	Leu	Ser	Leu	Thr	Gln	Gly	Leu	Phe	100	105	110	
Arg	Gly	Leu	Ser	Arg	Gln	Glu	Thr	His	Gln	Gln	Leu	Ala	Asp	Lys	Lys	115	120	125	
Gly	Leu	His	Val	Val	Glu	Ile	Arg	Glu	Glu	Cys	Gly	Pro	Leu	Pro	Ile	130	135	140	
Val	Val	Ala	Ser	Pro	Arg	Gly	Pro	Leu	Arg	Lys	Asp	Pro	Glu	Pro	Glu	145	150	155	160
Asp	Glu	Val	Pro	Asp	Val	Lys	Leu	Asp	Trp	Glu	Asp	Val	Lys	Thr	Ala	165	170	175	
Gln	Gly	Met	Lys	Arg	Ser	Val	Trp	Ser	Asn	Leu	Lys	Arg	Ala	Ala	Thr	180	185	190	

<210> 1786

<211> 192

<212> PRT

<213> Homo sapiens

<400> 1786

Met	Gly	Lys	Ile	Ser	Val	Ser	Phe	Leu	Ile	Phe	Ala	Phe	Leu	Phe	Lys	1	5	10	15
Gly	Phe	Ser	Ile	Gly	Lys	Ala	Thr	Asp	Arg	Met	Asp	Ala	Phe	Arg	Lys	20	25	30	

Met	Ile	Gly	Pro	His	Gly	Tyr	Ile	Ser	Ala	Ser	Asp	Trp	Pro	Leu	Met
1				5					10					15	
Ile	Phe	Tyr	Met	Val	Met	Cys	Ile	Xaa	Tyr	Ile	Leu	Tyr	Gly	Ile	Leu
			20					25					30		
Trp	Leu	Thr	Trp	Ser	Ala	Cys	Tyr	Trp	Lys	Asp	Ile	Leu	Arg	Ile	Gln
		35					40					45			
Phe	Trp	Ile	Ala	Ala	Val	Ile	Phe	Leu	Gly	Met	Leu	Glu	Lys	Ala	Val
	50					55					60				
Phe	Tyr	Ser	Glu	Tyr	Gln	Asn	Ile	Ser	Asn	Thr	Gly	Leu	Ser	Thr	Gln
65					70				75						80
Gly	Leu	Leu	Ile	Phe	Ala	Glu	Leu	Ile	Ser	Ala	Ile	Lys	Arg	Thr	Leu
				85					90					95	
Ala	Arg	Leu	Leu	Val	Ile	Ile	Val	Ser	Leu	Gly	Tyr	Gly	Ile	Val	Lys
			100					105					110		
Pro	Arg	Leu	Gly	Thr	Val	Met	His	Arg	Val	Ile	Gly	Leu	Gly	Leu	Leu
		115					120					125			
Tyr	Leu	Ile	Phe	Ala	Ala	Val	Glu	Gly	Val	Met	Arg	Val	Ile	Gly	Gly
	130					135					140				
Ser	Asn	His	Leu	Ala	Xaa	Gly	Leu	Asp	Asp	Ile	Ile	Leu	Ala	Val	Ile
145					150					155					160
Asp	Ser	Ile	Phe	Val	Trp	Val									
				165											

<210> 1788

<211> 167

<212> PRT

<213> Homo sapiens

<400> 1788

Met	Ile	Gly	Pro	His	Gly	Tyr	Ile	Ser	Ala	Ser	Asp	Trp	Pro	Leu	Met
1				5					10					15	
Ile	Phe	Tyr	Met	Val	Met	Cys	Ile	Val	Tyr	Ile	Leu	Tyr	Gly	Ile	Leu
			20					25					30		
Trp	Leu	Thr	Trp	Ser	Ala	Cys	Tyr	Trp	Lys	Asp	Ile	Leu	Arg	Ile	Gln
		35					40					45			
Phe	Trp	Ile	Ala	Ala	Val	Ile	Phe	Leu	Gly	Met	Leu	Glu	Lys	Ala	Val
	50					55					60				

Phe	Tyr	Ser	Glu	Tyr	Gln	Asn	Ile	Ser	Asn	Thr	Gly	Leu	Ser	Thr	Gln
65					70					75					80
Gly	Leu	Leu	Ile	Phe	Ala	Glu	Leu	Ile	Ser	Ala	Ile	Lys	Arg	Thr	Leu
				85					90					95	
Ala	Arg	Leu	Leu	Val	Ile	Ile	Val	Ser	Leu	Gly	Tyr	Gly	Ile	Val	Lys
			100					105					110		
Pro	Arg	Leu	Gly	Thr	Val	Met	His	Arg	Val	Ile	Gly	Leu	Gly	Leu	Leu
		115					120					125			
Tyr	Leu	Ile	Phe	Ala	Ala	Val	Glu	Gly	Val	Met	Arg	Val	Ile	Gly	Gly
	130					135					140				
Ser	Asn	His	Leu	Ala	Val	Val	Leu	Asp	Asp	Ile	Ile	Leu	Ala	Val	Ile
145					150					155					160
Asp	Ser	Ile	Phe	Val	Trp	Phe									
				165											

<210> 1789
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1789															
Met	Val	His	Tyr	Ser	Trp	Cys	Ala	Leu	Phe	Cys	His	Phe	Ala	Gln	Gly
1				5					10					15	
Thr	Cys	Leu	Gln	Asn	Ser	Phe	Gln	Ser	Gly	Leu	Val	Lys	Gly	Cys	Gln
			20					25					30		
Gly	Ser	Thr	Gly	Gly	Asn	Gln	Gly	Ser	Phe	Gln	Ala	Ala	Lys	Met	Ser
		35					40					45			
Pro	Val	Cys	Tyr	Ser	Gly	His	Thr	Gly	Trp	Leu	Ser	Arg	Pro	Trp	Ala
	50					55					60				
Lys	Ser	Ile	Ser	Gln	Ser	Ala	Asp	Asp	Arg	Ser	Pro	Pro	Ser	Arg	Arg
65				70						75					80
Thr															

<210> 1790
 <211> 81

<212> PRT

<213> Homo sapiens

<400> 1790

Met Val His Tyr Ser Trp Cys Ala Leu Phe Cys His Phe Ala Gln Gly
1 5 10 15

Thr Cys Leu Gln Asn Ser Phe Gln Ser Gly Leu Val Lys Gly Cys Gln
20 25 30

Gly Ser Thr Gly Gly Asn Gln Gly Ser Phe Gln Ala Ala Lys Met Ser
35 40 45

Pro Val Cys Tyr Ser Gly His Thr Gly Trp Leu Ser Arg Pro Trp Ala
50 55 60

Lys Ser Ile Ser Gln Ser Ala Asp Asp Arg Ser Pro Pro Ser Arg Arg
65 70 75 80

Thr

<210> 1791

<211> 183

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1791

Met Ala Leu Ala Arg Pro Gly Thr Pro Asp Pro Gln Ala Leu Ala Ser
1 5 10 15

Val Leu Leu Leu Leu Leu Trp Ala Pro Ala Leu Ser Leu Leu Ala Gly
20 25 30

Thr Val Pro Ser Glu Pro Pro Ser Ala Cys Ala Ser Asp Pro Cys Ala
35 40 45

Pro Gly Thr Glu Cys Gln Ala Thr Glu Ser Gly Gly Tyr Thr Cys Gly
50 55 60

Pro Met Glu Pro Arg Gly Cys Ala Thr Gln Xaa Cys His His Gly Ala
 65 70 75 80
 Leu Cys Val Pro Gln Gly Pro Asp Pro Asn Gly Phe Arg Cys Tyr Cys
 85 90 95
 Val Pro Gly Phe Gln Gly Pro Arg Cys Glu Leu Asp Ile Asp Glu Cys
 100 105 110
 Ala Ser Arg Pro Cys His His Gly Ala Thr Leu Pro Xaa Pro Gly Arg
 115 120 125
 Ser Leu Arg Val Pro Leu Pro Leu Gly Tyr Ala Ala Pro His Leu Asn
 130 135 140
 Pro Leu Ser Tyr Val Trp Gly Ile Pro His Leu Met Arg Gln Arg Leu
 145 150 155 160
 Pro Pro Asp Gly Asp Ser Lys Ala Asn Asp Ser Lys Lys Leu Gly Pro
 165 170 175
 Gln Lys Ile Tyr Ser Gly Lys
 180

<210> 1792
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 1792
 Met Cys Phe Leu Leu Phe Gly Ser Leu Cys Ile Tyr Tyr Phe Ser Leu
 1 5 10 15
 Phe Leu Val Phe Phe Phe Phe Leu Phe Leu Phe Cys Leu Val Phe Cys
 20 25 30
 Ser Cys Leu His Cys Phe Arg Tyr Phe Phe Thr Pro Leu Asp Ser Pro
 35 40 45
 Arg Ala Gly Ser Arg Trp Ser Ser Tyr Ala Gln Leu Leu Pro Pro Pro
 50 55 60
 Pro Pro Pro Leu Val Glu His Ser Cys Asp Ala Asp Thr Ala Asn Leu
 65 70 75 80
 Gln Tyr Pro His Pro Arg Arg Arg Tyr Leu Ser Arg Pro Leu Asn Pro
 85 90 95
 Leu Pro Glu Asn Glu Gly Ile
 100

<210> 1793
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 1793
 Met Cys Phe Leu Leu Phe Gly Ser Leu Cys Ile Tyr Tyr Phe Ser Leu
 1 5 10 15
 Phe Leu Val Phe Phe Phe Phe Leu Phe Leu Phe Cys Leu Val Phe Cys
 20 25 30
 Ser Cys Leu His Cys Phe Arg Tyr Phe Phe Thr Pro Leu Asp Ser Pro
 35 40 45
 Arg Ala Gly Ser Arg Trp Ser Ser Tyr Ala Gln Leu Leu Pro Pro Pro
 50 55 60
 Pro Pro Pro Leu Val Glu His Ser Cys Asp Ala Asp Thr Ala Asn Leu
 65 70 75 80
 Gln Tyr Pro His Pro Arg Arg Arg Tyr Leu Ser Arg Pro Leu Asn Pro
 85 90 95
 Leu Pro Glu Asn Glu Gly Ile
 100

<210> 1794
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1794
 Met Gly His Gly Arg Arg Leu Gly Arg His Leu Leu Ala Leu Pro Val
 1 5 10 15
 Thr Leu Ser Glu Arg Cys Leu Gly Ser Pro Val Glu Asn Glu Thr His
 20 25 30
 Ser Arg Asp Gly Thr Glu Leu Pro Asp Gly Ser Arg Glu Pro Ser Ser
 35 40 45

Pro Arg Arg Val Ser Glu Ser Arg Val Thr Pro Ala Arg Thr Glu Glu
50 55 60

Pro Pro Ala Glu Pro Ser Leu Thr Pro Asp Leu Arg Xaa Asp Asn Ser
65 70 75 80

Arg Gly Ser Leu

<210> 1795

<211> 84

<212> PRT

<213> Homo sapiens

<400> 1795

Met Gly His Gly Arg Arg Leu Gly Arg His Leu Leu Ala Leu Pro Val
1 5 10 15

Thr Leu Ser Glu Arg Cys Leu Gly Ser Pro Val Glu Asn Glu Thr His
20 25 30

Ser Arg Asp Gly Thr Glu Leu Pro Asp Gly Ser Arg Glu Pro Ser Ser
35 40 45

Pro Arg Arg Val Ser Glu Ser Arg Val Thr Pro Ala Arg Thr Glu Glu
50 55 60

Pro Pro Ala Glu Pro Ser Leu Thr Pro Asp Leu Arg Leu Asp Asn Ser
65 70 75 80

Arg Gly Ser Leu

<210> 1796

<211> 116

<212> PRT

<213> Homo sapiens

<400> 1796

Met Gly Ser Gly Cys Pro Ala Gln Pro Thr Leu Ser Pro Trp Gly Ile
1 5 10 15

Leu Ser Arg Leu Leu Gly Val Leu Ala Gly Thr Ser Cys Gly Val Ser
20 25 30

Thr Pro Ala Ala Ala Gln Gly Gly Pro Glu Ile Gly Cys Arg Ala Pro
35 40 45

His Leu His Leu Ser Gly His Ala Pro Leu Ala Cys Pro Cys Ser Phe
 50 55 60
 Leu Pro Thr Ser Leu Gly Gly Val Cys Val Ser Ala Pro Ala Pro Ala
 65 70 75 80
 Leu Leu Ser Trp Gly Thr Leu Pro Ala Ile Trp Tyr Trp Gly Cys Pro
 85 90 95
 His Cys Leu Val Leu Gly Pro Gly Pro Ala His Ser Gly Leu Ala Leu
 100 105 110
 Leu Val Cys Ser
 115

<210> 1797
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 1797
 Gly Pro Trp Pro Leu Cys Lys Ala Gln Arg Cys Ala Pro Asp Gln Pro
 1 5 10 15
 Ser Gly Leu Pro Trp Ala Arg Leu Gly Val Arg Val Ala His Trp Gly
 20 25 30
 Gly Gly Gly Leu Ala Arg His Ser Thr Leu Ala Gly Gly Pro Ser Gln
 35 40 45
 Arg Glu Pro Cys Arg Leu Arg Trp Ser Trp Pro Leu Ala Gly Cys Pro
 50 55 60
 Gly Ser Ala Pro Pro Leu Gln Gly Pro Ser Arg Asn Leu Leu Leu Asn
 65 70 75 80
 Gly Lys Ser Tyr Pro Thr Lys Val Arg Leu Ile Arg Gly Gly Ser Leu
 85 90 95
 Pro Pro Val Lys Arg Arg Arg Met Asn Trp Ile Asp Ala Pro Asp Asp
 100 105 110
 Val Phe Tyr Met Ala Thr Glu Glu Thr Arg Lys Ile Arg Lys Leu Leu
 115 120 125
 Ser Ser Ser Glu Thr Lys Arg Ala Ala Arg Arg Pro Tyr Lys Pro Ile
 130 135 140
 Ala Leu Arg Gln Ser Gln Ala Leu Pro Pro Arg Pro Pro Pro Pro Ala
 145 150 155 160

Pro Val Asn Asp Glu Pro Ile Val Ile Glu Asp
165 170

<210> 1798

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1798

Met Leu Tyr Pro Arg Ile Phe Thr Asn Arg Gly Glu Leu Leu Pro Phe
1 5 10 15

Leu Phe Leu Thr Val Trp Leu Trp Leu Tyr Lys Leu Leu Phe Gly Glu
20 25 30

Ser Pro Arg Tyr Pro Asn Val Ile Gly Lys Thr Tyr Phe Phe Phe Trp
35 40 45

Thr Asp Gln Ile Ser Arg Glu Ser Arg Phe Leu Glu Arg Leu Ala Phe
50 55 60

Ile Val Ser Glu Asn Cys Leu Ile Phe Leu Ile His Ala Ile Thr Gly
65 70 75 80

Gln

<210> 1799

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1799

Met Leu Tyr Pro Arg Ile Phe Thr Asn Arg Gly Glu Leu Leu Pro Phe
1 5 10 15

Leu Phe Leu Thr Val Trp Leu Trp Leu Tyr Lys Leu Leu Phe Gly Glu
20 25 30

Ser Pro Arg Tyr Pro Asn Val Ile Gly Lys Thr Tyr Phe Phe Phe Trp
35 40 45

Thr Asp Gln Ile Ser Arg Glu Ser Arg Phe Leu Glu Arg Leu Ala Phe
50 55 60

Ile Val Ser Glu Asn Cys Leu Ile Phe Leu Ile His Ala Ile Thr Gly
65 70 75 80

Gln

<210> 1800

<211> 149

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1800

Met Val Leu Leu Trp Ala Ser Val Leu Phe Pro Ala Pro Glu Asp Trp
1 5 10 15

Ala Glu Leu Gln Gly Ala Val Tyr Arg Leu Leu Val Val Leu Leu Cys
20 25 30

Cys Leu Ala Thr Arg Lys Leu Pro His Phe Leu His Pro Gln Arg Asn
35 40 45

Leu Leu Gln Gly Ser Gly Leu Asp Leu Gly Ala Ile Tyr Gln Arg Val
50 55 60

Glu Gly Phe Ala Ser Gln Pro Glu Ala Ala Leu Arg Ile His Ala Thr
65 70 75 80

His Leu Gly Arg Ser Pro Pro Pro Arg Ile Gly Ser Gly Leu Lys Ala
85 90 95

Leu Leu Gln Leu Pro Ala Ser Asp Pro Thr Tyr Trp Ala Thr Ala Tyr
100 105 110

Phe Asp Val Leu Leu Asp Lys Phe Gln Val Phe Asn Ile Gln Asp Lys
115 120 125

Asp Arg Ile Ser Ala Met Gln Ser Ile Phe Gln Xaa Thr Arg Thr Leu
130 135 140

Gly Gly Glu Glu Ser
145

<210> 1801

<211> 149

<212> PRT

<213> Homo sapiens

<400> 1801

Met Val Leu Leu Trp Ala Ser Val Leu Phe Pro Ala Pro Glu Asp Trp
1 5 10 15
Ala Glu Leu Gln Gly Ala Val Tyr Arg Leu Leu Val Val Leu Leu Cys
20 25 30
Cys Leu Ala Thr Arg Lys Leu Pro His Phe Leu His Pro Gln Arg Asn
35 40 45
Leu Leu Gln Gly Ser Gly Leu Asp Leu Gly Ala Ile Tyr Gln Arg Val
50 55 60
Glu Gly Phe Ala Ser Gln Pro Glu Ala Ala Leu Arg Ile His Ala Thr
65 70 75 80
His Leu Gly Arg Ser Pro Pro Pro Arg Ile Gly Ser Gly Leu Lys Ala
85 90 95
Leu Leu Gln Leu Pro Ala Ser Asp Pro Thr Tyr Trp Ala Thr Ala Tyr
100 105 110
Phe Asp Val Leu Leu Asp Lys Phe Gln Val Phe Asn Ile Gln Asp Lys
115 120 125
Asp Arg Ile Ser Ala Met Gln Ser Ile Phe Gln Lys Thr Arg Thr Leu
130 135 140
Gly Gly Glu Glu Ser
145

<210> 1802

<211> 140

<212> PRT

<213> Homo sapiens

<400> 1802

Ile Pro Leu Cys Ser Ile Phe Gly Ala Leu Ile Ala Val Cys Leu Ile
1 5 10 15
Met Gly Leu Phe Asp Gly Cys Phe Ile Ser Ile Met Ala Pro Ile Ala
20 25 30
Phe Glu Leu Val Gly Ala Gln Asp Val Ser Gln Ala Ile Gly Phe Leu
35 40 45
Leu Gly Phe Met Ser Ile Pro Met Thr Val Gly Pro Pro Ile Ala Gly
50 55 60

Leu Leu Arg Asp Lys Leu Gly Ser Tyr Asp Val Ala Phe Tyr Leu Ala
 65 70 75 80
 Gly Val Pro Pro Leu Ile Gly Gly Ala Val Leu Cys Phe Ile Pro Trp
 85 90 95
 Ile His Ser Lys Lys Gln Arg Glu Ile Ser Lys Thr Thr Gly Lys Glu
 100 105 110
 Lys Met Glu Lys Met Leu Glu Asn Gln Asn Ser Leu Leu Ser Ser Ser
 115 120 125
 Ser Gly Met Phe Lys Lys Glu Ser Asp Ser Ile Ile
 130 135 140

<210> 1803
 <211> 234
 <212> PRT
 <213> Homo sapiens

<400> 1803
 Pro Thr Arg Pro Pro Thr Arg Pro Val Arg Val Ser Val Gly Gly Leu
 1 5 10 15
 Val Gly Glu Val Ala Cys Ala Cys Arg Asp Cys Ile Pro Glu Thr Met
 20 25 30
 Ala Glu Gly Asp Asn Arg Ser Thr Asn Leu Leu Ala Ala Glu Thr Ala
 35 40 45
 Ser Leu Glu Glu Gln Leu Gln Gly Trp Gly Glu Val Met Leu Met Ala
 50 55 60
 Asp Lys Val Leu Arg Trp Glu Arg Ala Trp Phe Pro Pro Ala Ile Met
 65 70 75 80
 Gly Val Val Ser Leu Val Phe Leu Ile Ile Tyr Tyr Leu Asp Pro Ser
 85 90 95
 Val Leu Ser Gly Val Ser Cys Phe Val Met Phe Leu Cys Leu Ala Asp
 100 105 110
 Tyr Leu Val Pro Ile Leu Ala Pro Arg Ile Phe Gly Ser Asn Lys Trp
 115 120 125
 Thr Thr Glu Gln Gln Gln Arg Phe His Glu Ile Cys Ser Asn Leu Val
 130 135 140
 Lys Thr Arg Arg Arg Ala Val Gly Trp Trp Lys Arg Leu Phe Thr Leu

145		150		155		160									
Lys	Glu	Glu	Lys	Pro	Lys	Met	Tyr	Phe	Met	Thr	Met	Ile	Val	Ser	Leu
				165					170					175	
Ala	Ala	Val	Ala	Trp	Val	Gly	Gln	Gln	Val	His	Asn	Leu	Leu	Leu	Thr
			180					185					190		
Tyr	Leu	Ile	Val	Thr	Ser	Leu	Leu	Leu	Leu	Pro	Gly	Leu	Asn	Gln	His
		195					200					205			
Gly	Ile	Ile	Leu	Lys	Tyr	Ile	Gly	Met	Ala	Lys	Arg	Glu	Ile	Asn	Lys
	210					215					220				
Leu	Leu	Lys	Gln	Lys	Glu	Lys	Lys	Asn	Glu						
225					230										

<210> 1804
 <211> 155
 <212> PRT
 <213> Homo sapiens

<400> 1804

Met	Gly	Val	Val	Ser	Leu	Val	Phe	Leu	Ile	Ile	Tyr	Tyr	Leu	Asp	Pro
1				5					10					15	
Ser	Val	Leu	Ser	Gly	Val	Ser	Cys	Phe	Val	Met	Phe	Leu	Cys	Leu	Ala
			20					25					30		
Asp	Tyr	Leu	Val	Pro	Ile	Leu	Ala	Pro	Arg	Ile	Phe	Gly	Ser	Asn	Lys
		35					40					45			
Trp	Thr	Thr	Glu	Gln	Gln	Gln	Arg	Phe	His	Glu	Ile	Cys	Ser	Asn	Leu
	50					55					60				
Val	Lys	Thr	Arg	Arg	Arg	Ala	Val	Gly	Trp	Trp	Lys	Arg	Leu	Phe	Thr
65					70					75					80
Leu	Lys	Glu	Glu	Lys	Pro	Lys	Met	Tyr	Phe	Met	Thr	Met	Ile	Val	Ser
				85					90					95	
Leu	Ala	Ala	Val	Ala	Trp	Val	Gly	Gln	Gln	Val	His	Asn	Leu	Leu	Leu
			100					105					110		
Thr	Tyr	Leu	Ile	Val	Thr	Ser	Leu	Leu	Leu	Leu	Pro	Gly	Leu	Asn	Gln
		115					120					125			
His	Gly	Ile	Ile	Leu	Lys	Tyr	Ile	Gly	Met	Ala	Lys	Arg	Glu	Ile	Asn
	130					135					140				

Lys Leu Leu Lys Gln Lys Glu Lys Lys Asn Glu
 145 150 155

<210> 1805
 <211> 202
 <212> PRT
 <213> Homo sapiens

<400> 1805
 Met Ala Glu Gly Asp Asn Arg Ser Thr Asn Leu Leu Ala Ala Glu Thr
 1 5 10 15
 Ala Ser Leu Glu Glu Gln Leu Gln Gly Trp Gly Glu Val Met Leu Met
 20 25 30
 Ala Asp Lys Val Leu Arg Trp Glu Arg Ala Trp Phe Pro Pro Ala Ile
 35 40 45
 Met Gly Val Val Ser Leu Val Phe Leu Ile Ile Tyr Tyr Leu Asp Pro
 50 55 60
 Ser Val Leu Ser Gly Val Ser Cys Phe Val Met Phe Leu Cys Leu Ala
 65 70 75 80
 Asp Tyr Leu Val Pro Ile Leu Ala Pro Arg Ile Phe Gly Ser Asn Lys
 85 90 95
 Trp Thr Thr Glu Gln Gln Gln Arg Phe His Glu Ile Cys Ser Asn Leu
 100 105 110
 Val Lys Thr Arg Arg Arg Ala Val Gly Trp Trp Lys Arg Leu Phe Thr
 115 120 125
 Leu Lys Glu Glu Lys Pro Lys Met Tyr Phe Met Thr Met Ile Val Ser
 130 135 140
 Leu Ala Ala Val Ala Trp Val Gly Gln Gln Val His Asn Leu Leu Leu
 145 150 155 160
 Thr Tyr Leu Ile Val Thr Ser Leu Leu Leu Leu Pro Gly Leu Asn Gln
 165 170 175
 His Gly Ile Ile Leu Lys Tyr Ile Gly Met Ala Lys Arg Glu Ile Asn
 180 185 190
 Lys Leu Leu Lys Gln Lys Lys Lys Lys Lys
 195 200

<210> 1806
 <211> 485
 <212> PRT
 <213> Homo sapiens

<400> 1806

Ala	Arg	Lys	Pro	Arg	Ser	Gln	Ile	Lys	Asn	Glu	Ile	Asn	Ile	Asp	Thr
1				5					10					15	
Leu	Ala	Arg	Asp	Glu	Phe	Asn	Leu	Gln	Lys	Met	Met	Val	Met	Val	Thr
			20					25					30		
Ala	Ser	Gly	Lys	Leu	Phe	Gly	Ile	Glu	Ser	Ser	Ser	Gly	Thr	Ile	Leu
		35					40					45			
Trp	Lys	Gln	Tyr	Leu	Pro	Asn	Val	Lys	Pro	Asp	Ser	Ser	Phe	Lys	Leu
	50					55					60				
Met	Val	Gln	Arg	Thr	Thr	Ala	His	Phe	Pro	His	Pro	Pro	Gln	Cys	Thr
	65				70					75					80
Leu	Leu	Val	Lys	Asp	Lys	Glu	Ser	Gly	Met	Ser	Ser	Leu	Tyr	Val	Phe
				85					90					95	
Asn	Pro	Ile	Phe	Gly	Lys	Trp	Ser	Gln	Val	Ala	Pro	Pro	Val	Leu	Lys
			100					105					110		
Arg	Pro	Ile	Leu	Gln	Ser	Leu	Leu	Leu	Pro	Val	Met	Asp	Gln	Asp	Tyr
		115					120					125			
Ala	Lys	Val	Leu	Leu	Leu	Ile	Asp	Asp	Glu	Tyr	Lys	Val	Thr	Ala	Phe
	130					135					140				
Pro	Ala	Thr	Arg	Asn	Val	Leu	Arg	Gln	Leu	His	Glu	Leu	Ala	Pro	Ser
	145				150					155					160
Ile	Phe	Phe	Tyr	Leu	Val	Asp	Ala	Glu	Gln	Gly	Arg	Leu	Cys	Gly	Tyr
				165					170					175	
Arg	Leu	Arg	Lys	Asp	Leu	Thr	Thr	Glu	Leu	Ser	Trp	Glu	Leu	Thr	Ile
			180					185					190		
Pro	Pro	Glu	Val	Gln	Arg	Ile	Val	Lys	Val	Lys	Gly	Lys	Arg	Ser	Ser
		195					200					205			
Glu	His	Val	His	Ser	Gln	Gly	Arg	Val	Met	Gly	Asp	Arg	Ser	Val	Leu
	210					215					220				
Tyr	Lys	Ser	Leu	Asn	Pro	Asn	Leu	Leu	Ala	Val	Val	Thr	Glu	Ser	Thr
	225				230					235					240
Asp	Ala	His	His	Glu	Arg	Thr	Phe	Ile	Gly	Ile	Phe	Leu	Ile	Asp	Gly

				245						250					255				
Val	Thr	Gly	Arg	Ile	Ile	His	Ser	Ser	Val	Gln	Lys	Lys	Ala	Lys	Gly				
			260					265					270						
Pro	Val	His	Ile	Val	His	Ser	Glu	Asn	Trp	Val	Val	Tyr	Gln	Tyr	Trp				
		275					280					285							
Asn	Thr	Lys	Ala	Arg	Arg	Asn	Glu	Phe	Thr	Val	Leu	Glu	Leu	Tyr	Glu				
	290					295					300								
Gly	Thr	Glu	Gln	Tyr	Asn	Ala	Thr	Ala	Phe	Ser	Ser	Leu	Asp	Arg	Pro				
305					310					315					320				
Gln	Leu	Pro	Gln	Val	Leu	Gln	Gln	Ser	Tyr	Ile	Phe	Pro	Ser	Ser	Ile				
				325					330						335				
Ser	Ala	Met	Glu	Ala	Thr	Ile	Thr	Glu	Arg	Gly	Ile	Thr	Ser	Arg	His				
			340					345						350					
Leu	Leu	Ile	Gly	Leu	Pro	Ser	Gly	Ala	Ile	Leu	Ser	Leu	Pro	Lys	Ala				
		355					360					365							
Leu	Leu	Asp	Pro	Arg	Arg	Pro	Glu	Ile	Pro	Thr	Glu	Gln	Ser	Arg	Glu				
	370					375					380								
Glu	Asn	Leu	Ile	Pro	Tyr	Ser	Pro	Asp	Val	Gln	Ile	His	Ala	Glu	Arg				
385					390					395					400				
Phe	Ile	Asn	Tyr	Asn	Gln	Thr	Val	Ser	Arg	Met	Arg	Gly	Ile	Tyr	Thr				
				405					410					415					
Ala	Pro	Ser	Gly	Leu	Glu	Ser	Thr	Cys	Leu	Val	Val	Ala	Tyr	Gly	Leu				
			420					425					430						
Asp	Ile	Tyr	Gln	Thr	Arg	Val	Tyr	Pro	Ser	Lys	Gln	Phe	Asp	Val	Leu				
	435						440					445							
Lys	Asp	Asp	Tyr	Asp	Tyr	Val	Leu	Ile	Ser	Ser	Val	Leu	Phe	Gly	Leu				
	450					455					460								
Val	Phe	Ala	Thr	Met	Ile	Thr	Lys	Arg	Leu	Ala	Gln	Val	Lys	Leu	Leu				
465					470					475					480				
Asn	Arg	Ala	Trp	Arg															
				485															

<210> 1807
 <211> 360
 <212> PRT

<213> Homo sapiens

<400> 1807

Met	Ala	Ala	Glu	Trp	Ala	Ser	Arg	Phe	Trp	Leu	Trp	Ala	Thr	Leu	Leu	
1				5					10					15		
Ile	Pro	Ala	Ala	Ala	Val	Tyr	Glu	Asp	Gln	Val	Gly	Lys	Phe	Asp	Trp	
			20					25					30			
Arg	Gln	Gln	Tyr	Val	Gly	Lys	Val	Lys	Phe	Ala	Ser	Leu	Glu	Phe	Ser	
		35					40					45				
Pro	Gly	Ser	Lys	Lys	Leu	Val	Val	Ala	Thr	Glu	Lys	Asn	Val	Ile	Ala	
	50					55					60					
Ala	Leu	Asn	Ser	Arg	Thr	Gly	Glu	Ile	Leu	Trp	Arg	His	Val	Asp	Lys	
65					70					75					80	
Gly	Thr	Ala	Glu	Gly	Ala	Val	Asp	Ala	Met	Leu	Leu	His	Gly	Gln	Asp	
				85					90					95		
Val	Ile	Thr	Val	Ser	Asn	Gly	Gly	Arg	Ile	Met	Arg	Ser	Trp	Glu	Thr	
			100					105					110			
Asn	Ile	Gly	Gly	Leu	Asn	Trp	Glu	Ile	Thr	Leu	Asp	Ser	Gly	Ser	Phe	
		115					120					125				
Gln	Ala	Leu	Gly	Leu	Val	Gly	Leu	Gln	Glu	Ser	Val	Arg	Tyr	Ile	Ala	
	130					135					140					
Val	Leu	Lys	Lys	Thr	Thr	Leu	Ala	Leu	His	His	Leu	Ser	Ser	Gly	His	
145					150					155					160	
Leu	Lys	Trp	Val	Glu	His	Leu	Pro	Glu	Ser	Asp	Ser	Ile	His	Tyr	Gln	
				165				170						175		
Met	Val	Tyr	Ser	Tyr	Gly	Ser	Gly	Val	Val	Trp	Ala	Leu	Gly	Val	Val	
			180					185					190			
Pro	Phe	Ser	His	Val	Asn	Ile	Val	Lys	Phe	Asn	Val	Glu	Asp	Gly	Glu	
		195					200					205				
Ile	Val	Gln	Gln	Val	Arg	Val	Ser	Thr	Pro	Trp	Leu	Gln	His	Leu	Ser	
	210					215					220					
Gly	Ala	Cys	Gly	Val	Val	Asp	Glu	Ala	Val	Leu	Val	Cys	Pro	Asp	Pro	
225					230					235					240	
Ser	Ser	Arg	Ser	Leu	Gln	Thr	Leu	Ala	Leu	Glu	Thr	Glu	Trp	Glu	Leu	
				245				250						255		
Arg	Gln	Ile	Pro	Leu	Gln	Ser	Leu	Asp	Leu	Glu	Phe	Gly	Ser	Gly	Phe	

260		265		270
Gln Pro Arg Val Leu Pro Thr Gln Pro Asn Pro Val Asp Ala Ser Arg				
275		280		285
Ala Gln Phe Phe Leu His Leu Ser Pro Ser His Tyr Ala Leu Leu Gln				
290		295		300
Tyr His Tyr Gly Thr Leu Ser Leu Leu Lys Asn Phe Pro Gln Thr Ala				
305		310		315
Leu Val Ser Phe Ala Thr Thr Gly Glu Lys Thr Val Ala Ala Val Met				
	325		330	335
Ala Cys Arg Asn Glu Val Gln Lys Thr Ser Ser Ser Glu Asp Gly Ser				
	340		345	350
Met Gly Glu Leu Phe Gly Glu Val				
	355		360	

<210> 1808
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 1808
Met Arg Gly Ile Tyr Thr Ala Pro Ser Gly Leu Glu Ser Thr Cys Leu
1 5 10 15
Val Val Ala Tyr Gly Leu Asp Ile Tyr Gln Thr Arg Val Tyr Pro Ser
20 25 30
Lys Gln Phe Asp Val Leu Lys Asp Asp Tyr Asp Tyr Val Leu Ile Ser
35 40 45
Ser Val Leu Phe Gly Leu Val Phe Ala Thr Met Ile Thr Lys Arg Leu
50 55 60
Ala Gln Val Lys Leu Leu Asn Arg Ala Trp Arg
65 70 75

<210> 1809
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 1809
Glu Phe Gly Thr Arg Lys Glu Glu Glu Arg Val Ala Met Val Pro Arg

1		5		10		15									
Leu	Ala	Phe	Ile	Leu	Phe	Val	Leu	Ala	Arg	Asp	Tyr	Asn	Val	Thr	Ser
		20						25					30		
Leu	Gly	Gln	Asp	Leu	Asn	Trp	Lys	Tyr	Glu	Ala	Lys	Asp	Tyr	Arg	Lys
		35					40					45			
Thr	Gly	Glu	Leu	Lys	Asn	Ile	Gly	Glu	Cys	Gly	Arg	Ser	Tyr	Lys	Phe
	50					55					60				
Leu	Ser	Arg	Asn	Gln	Asp	Trp	Asn	Thr	Arg	Tyr	Ser	His	Pro	Asn	Arg
65					70					75					80
Pro	Ala	Lys	Tyr	Ser	Gly	Ile	Asp	Glu	Met	Cys	Lys	Ala	Gln	Glu	Ser
				85					90					95	
Gly	Leu	Ser	Pro	Ser	Lys	Gln	Leu	Asn	Arg	Leu	Ser	Thr	Leu	Thr	Ala
			100					105					110		
Leu	Lys	Val	Ser	Gln	Pro	Val	Lys	Leu	Ala	Leu	Phe	Ser	Arg	Ser	Pro
		115					120					125			
Arg	Arg	Glu	Ile	Arg	Val	Gly	Arg								
	130					135									

<210> 1810

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1810

Gly	Leu	His	Phe	Asn	Ile	Arg	Val	Asp	His	Gly	Met	Leu	Trp	Ala	Pro
1				5					10					15	

Val	Leu	Tyr	Lys	Asp	Val	Gly	Gln	Glu	Leu	Pro	Val	Val	Ser	Thr	Ala
			20					25					30		

Pro	Ser	His	Ile	Ala	Leu	Leu	Met	Glu	Pro	Phe	Thr	Pro	Asp	Val	Leu
		35					40					45			

Ser	Arg	Leu	Met	Gly	Arg	Ile	Xaa	Val	Cys	Lys	Asp	Tyr	Val	Ile	Asp
	50					55					60				

Gln	Leu	Trp	Ser	Val	Leu	Lys	Glu	Ile	Cys	Gln	Trp	Ile	Ile	Pro	Tyr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

65

70

75

80

Gly

<210> 1811

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1811

Met	His	Leu	Gly	Leu	Val	Ser	Leu	Ile	Leu	Phe	Cys	Gln	Ala	Leu	Glu
1				5					10					15	

Val	Asp	Ile	Ser	Leu	Gln	Gly	Pro	Gly	Ile	Val	Pro	Gly	Arg	Ser	Glu
			20					25					30		

Val	Ser	Leu	Ser	Leu	Gln	Gly	Pro	Arg	Gly	Gly	Gly	Cys	Phe	Pro	Ile
		35					40					45			

Ala	Thr	Gly	Ala	Pro	Phe	Ile	Val	Leu	Leu	Pro	Leu	Gly	Leu	Tyr	Leu
	50					55					60				

Val	Phe	His	Leu	Cys	Cys	Phe	Phe	Gly	Leu	Phe	Cys	Ala	Xaa	Leu	Arg
65					70					75					80

Leu	Arg	Glu	Pro	Gly	Trp	Asp	His	Leu	Ile	Ile
				85					90	

<210> 1812

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1812

Met	Gly	Asn	Ser	Leu	Ser	Val	Phe	Cys	Ser	Trp	Phe	Cys	Arg	Arg	Ser
1				5					10					15	
Trp	Pro	Cys	His	Arg	Gln	Pro	Ala	Arg	Leu	Val	Arg	Glu	Ala	Phe	Pro
			20					25					30		
Ala	Gly	Arg	Ala	His	Pro	Ala	Ala	Pro	Ala	Pro	Val	Pro	Ala	Arg	Gly
		35					40					45			
Ile	Val	Gly	Arg	Phe	Pro	Leu	Leu	Phe	Asn	Arg	Gln	Arg	His	Xaa	Gly
	50					55					60				
Pro	Xaa	Phe	Pro	Val	Arg	Trp	Asp	Gly	Ala	Pro	Met	Arg	Leu	Cys	Leu
65					70					75					80
Ile	Pro	Arg	Asn	Thr	Gly	Thr	Pro	Gln	Arg	Val	Leu	Arg	Pro	Val	Val
				85					90					95	
Trp	Ser	Pro	Pro	Ser	Arg	Lys	Lys	Pro	Val	Leu	Ser	Pro	His	Asn	Ser
			100					105					110		
Ile	Met	Phe	Gly	His	Leu	Ser	Pro	Val	Arg	Ile	Pro	Cys	Leu	Arg	Gly
		115					120					125			
Lys	Phe	Asn	Leu	Gln	Leu	Pro	Ser	Leu	Asp	Asp	Gln	Val	Ile	Pro	Ala
	130					135					140				
Arg	Leu	Pro	Lys	Thr	Glu	Val	Ser	Ala	Glu	Glu	Pro	Lys	Glu	Ala	Thr
145					150					155					160
Glu	Val	Lys	Asp	Gln	Val	Glu	Thr	Gln	Gly	Gln	Glu	Asp	Asn	Lys	Arg
				165					170					175	
Gly	Pro	Cys	Ser	Asn	Gly	Glu	Ala	Ala	Ser	Thr	Ser	Arg	Pro	Leu	Glu
			180					185					190		
Thr	Gln	Gly	Asn	Leu	Thr	Ser	Ser	Trp	Tyr	Asn	Pro	Arg	Pro	Leu	Glu
		195					200					205			
Gly	Asn	Val	His	Leu	Lys	Ser	Leu	Thr	Glu	Lys	Asn	Gln	Thr	Asp	Lys
	210					215					220				
Ala	Gln	Val	His	Ala	Val										
225					230										

<210> 1813

<211> 232

<212> PRT

<213> Homo sapiens

<400> 1813

Met	Gly	Asn	Ser	Leu	Ser	Val	Phe	Cys	Ser	Trp	Phe	Cys	Arg	Arg	Ser	
1				5					10					15		
Trp	Pro	Cys	His	Arg	Gln	Pro	Ala	Arg	Leu	Val	Arg	Glu	Ala	Phe	Pro	
			20					25					30			
Ala	Gly	Arg	Ala	His	Pro	Ala	Ala	Pro	Ala	Pro	Val	Pro	Ala	Arg	Gly	
		35					40					45				
Ile	Val	Gly	Arg	Phe	Pro	Leu	Leu	Phe	Asn	Arg	Gln	Arg	His	Leu	Gly	
	50					55					60					
Pro	Ser	Phe	Pro	Val	Arg	Trp	Asp	Gly	Ala	Pro	Met	Arg	Leu	Cys	Leu	
65					70					75					80	
Ile	Pro	Arg	Asn	Thr	Gly	Thr	Pro	Gln	Arg	Val	Leu	Arg	Pro	Val	Val	
				85					90					95		
Trp	Ser	Pro	Pro	Ser	Arg	Lys	Lys	Pro	Val	Leu	Ser	Pro	His	Asn	Ser	
			100					105					110			
Ile	Met	Phe	Gly	His	Leu	Ser	Pro	Val	Arg	Ile	Pro	Cys	Leu	Arg	Gly	
		115					120					125				
Lys	Phe	Asn	Leu	Gln	Leu	Pro	Ser	Leu	Asp	Asp	Gln	Val	Ile	Pro	Ala	
	130					135					140					
Arg	Leu	Pro	Lys	Thr	Glu	Val	Ser	Ala	Glu	Glu	Pro	Lys	Glu	Ala	Thr	
145					150					155					160	
Glu	Val	Lys	Asp	Gln	Val	Glu	Thr	Gln	Gly	Gln	Glu	Asp	Asn	Lys	Arg	
				165					170					175		
Gly	Pro	Cys	Ser	Asn	Gly	Glu	Ala	Ala	Ser	Thr	Ser	Arg	Pro	Leu	Glu	
			180					185					190			
Thr	Gln	Gly	Asn	Leu	Thr	Ser	Ser	Trp	Tyr	Asn	Pro	Arg	Pro	Leu	Glu	
		195					200					205				
Gly	Asn	Val	His	Leu	Lys	Ser	Leu	Thr	Glu	Lys	Asn	Gln	Thr	Asp	Lys	
	210					215					220					
Ala	Gln	Val	His	Ala	Val	Ser	Cys									
225					230											

<210> 1814

<211> 156

<212> PRT

<213> Homo sapiens

<400> 1814

Met Gln Ile Gln Val Ala Gly Leu Leu Gln Phe Ala Val Pro Leu Phe
1 5 10 15

Ser Thr Ala Glu Glu Asp Leu Leu Ala Ile Gln Leu Leu Leu Asn Ser
20 25 30

Ser Glu Ser Ser Leu His Gln Leu Thr Ala Met Val Asp Cys Arg Gly
35 40 45

Leu His Lys Asp Tyr Leu Asp Ala Leu Ala Gly Ile Cys Tyr Asp Gly
50 55 60

Leu Gln Gly Leu Leu Tyr Leu Gly Leu Phe Ser Phe Leu Ala Ala Leu
65 70 75 80

Ala Phe Ser Thr Met Ile Cys Ala Gly Pro Arg Ala Trp Lys His Phe
85 90 95

Thr Thr Arg Asn Arg Asp Tyr Asp Asp Ile Asp Asp Asp Asp Pro Phe
100 105 110

Asn Pro Gln Ala Trp Arg Met Ala Ala His Ser Pro Pro Arg Gly Gln
115 120 125

Leu His Ser Phe Cys Ser Tyr Ser Ser Gly Leu Gly Ser Gln Thr Ser
130 135 140

Leu Gln Pro Pro Ala Gln Thr Ile Ser Asn Ala Pro
145 150 155

<210> 1815

<211> 213

<212> PRT

<213> Homo sapiens

<400> 1815

Met Gln Ile Gln Val Ala Gly Leu Leu Gln Phe Ala Val Pro Leu Phe
1 5 10 15

Ser Thr Ala Glu Glu Asp Leu Leu Ala Ile Gln Leu Leu Leu Asn Ser
20 25 30

Ser Glu Ser Ser Leu His Gln Leu Thr Ala Met Val Asp Cys Arg Gly
35 40 45

Leu His Lys Asp Tyr Leu Asp Ala Leu Ala Gly Ile Cys Tyr Asp Gly

50		55		60
Leu Gln Gly Leu Leu Tyr Leu Gly Leu Phe Ser Phe Leu Ala Ala Leu				
65		70		75
Ala Phe Ser Thr Met Ile Cys Ala Gly Pro Arg Ala Trp Lys His Phe				
	85		90	95
Thr Thr Arg Asn Arg Asp Tyr Asp Asp Ile Asp Asp Asp Asp Pro Phe				
	100		105	110
Asn Pro Gln Ala Trp Arg Met Ala Ala His Ser Pro Pro Arg Gly Gln				
	115		120	125
Leu His Ser Phe Cys Ser Tyr Ser Ser Gly Leu Gly Ser Gln Thr Ser				
130		135		140
Leu Gln Pro Pro Ala Gln Thr Ile Ser Asn Ala Pro Val Ser Glu Tyr				
145		150		155
Met Asn Gln Ala Met Leu Phe Gly Arg Asn Pro Arg Tyr Glu Asn Val				
	165		170	175
Pro Leu Ile Gly Arg Ala Ser Pro Pro Pro Thr Tyr Ser Pro Ser Met				
	180		185	190
Arg Ala Thr Tyr Leu Ser Val Ala Asp Glu His Leu Arg His Tyr Gly				
	195		200	205
Asn Gln Phe Pro Ala				
210				

<210> 1816

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1816

Glu Cys Xaa Arg Lys Pro Thr Pro Arg Ala Glu Phe Leu Gln Pro Gly
1 5 10 15

Gly Ser Thr Ser Ser Arg Ala Ala Ala Thr Ala Val
20 25

<210> 1817

<211> 75

<212> PRT

<213> Homo sapiens

<400> 1817

Met Leu Asn Pro Leu Arg Gln Leu Phe Lys Leu Met Ala Ser Leu Phe
1 5 10 15

Leu Ser Val Phe Thr Leu Gly Leu Pro Phe Ala Leu Phe Gln Tyr Tyr
20 25 30

Ala Tyr Thr Gln Phe Cys Leu Pro Gly Ser Ala Arg Pro Ile Pro Glu
35 40 45

Pro Leu Val Gln Leu Ala Val Asp Lys Gly Tyr Arg Ile Ala Glu Gly
50 55 60

Asn Glu Pro Leu Gly Ala Ser Gly Met Phe His
65 70 75

<210> 1818

<211> 280

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1818

Met His Ser Gln Cys Gln Gly Phe Phe Ser Ser Leu Thr Met Leu Asn
1 5 10 15

Pro Leu Arg Gln Leu Phe Lys Leu Met Ala Ser Leu Phe Leu Ser Val
20 25 30

Phe Thr Leu Gly Leu Pro Phe Ala Leu Phe Gln Tyr Tyr Ala Tyr Thr
35 40 45

Gln Phe Cys Leu Pro Gly Ser Ala Arg Pro Ile Pro Glu Pro Leu Val
50 55 60

Gln	Leu	Ala	Val	Asp	Lys	Gly	Tyr	Arg	Ile	Ala	Glu	Gly	Asn	Glu	Pro	65	70	75	80
Pro	Trp	Cys	Phe	Trp	Asp	Val	Pro	Leu	Ile	Tyr	Ser	Tyr	Xaa	Xaa	Asp	85	90	95	
Val	Tyr	Trp	Asn	Val	Gly	Phe	Leu	Lys	Tyr	Tyr	Glu	Leu	Lys	Gln	Val	100	105	110	
Pro	Asn	Phe	Leu	Leu	Ala	Ala	Pro	Val	Ala	Ile	Leu	Val	Ala	Trp	Ala	115	120	125	
Thr	Trp	Thr	Tyr	Val	Thr	Thr	His	Pro	Trp	Leu	Cys	Leu	Thr	Leu	Gly	130	135	140	
Leu	Gln	Arg	Ser	Lys	Asn	Asn	Lys	Thr	Leu	Glu	Lys	Pro	Asp	Leu	Gly	145	150	155	160
Phe	Leu	Ser	Pro	Gln	Val	Phe	Val	Tyr	Val	Val	His	Ala	Ala	Val	Leu	165	170	175	
Leu	Leu	Phe	Gly	Gly	Leu	Cys	Met	His	Val	Gln	Val	Leu	Thr	Arg	Phe	180	185	190	
Leu	Gly	Ser	Ser	Thr	Pro	Ile	Met	Tyr	Trp	Phe	Pro	Ala	His	Leu	Leu	195	200	205	
Gln	Asp	Gln	Glu	Pro	Leu	Leu	Arg	Ser	Leu	Lys	Thr	Val	Pro	Trp	Lys	210	215	220	
Pro	Leu	Ala	Glu	Asp	Ser	Pro	Pro	Gly	Gln	Lys	Val	Pro	Arg	Asn	Pro	225	230	235	240
Ile	Met	Gly	Leu	Leu	Tyr	His	Trp	Lys	Thr	Cys	Ser	Pro	Val	Thr	Arg	245	250	255	
Tyr	Ile	Leu	Gly	Tyr	Phe	Leu	Thr	Tyr	Trp	Leu	Leu	Gly	Leu	Leu	Leu	260	265	270	
His	Cys	Asn	Phe	Leu	Pro	Trp	Thr	275	280										

<210> 1819

<211> 273

<212> PRT

<213> Homo sapiens

<400> 1819

Met	Leu	Phe	Phe	Cys	Gly	Asp	Leu	Leu	Ser	Arg	Ser	Gln	Ile	Phe	Tyr	1	5	10	15
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---	---	----	----

Tyr	Ser	Thr	Gly	Met	Thr	Val	Gly	Ile	Val	Ala	Ser	Leu	Leu	Ile	Ile		
			20					25					30				
Ile	Phe	Ile	Leu	Ser	Lys	Phe	Met	Pro	Lys	Lys	Ser	Pro	Ile	Tyr	Val		
		35					40					45					
Ile	Leu	Val	Gly	Gly	Trp	Ser	Phe	Ser	Leu	Tyr	Leu	Ile	Gln	Leu	Val		
	50					55					60						
Phe	Lys	Asn	Leu	Gln	Glu	Ile	Trp	Arg	Cys	Tyr	Trp	Gln	Tyr	Leu	Leu		
65					70					75					80		
Ser	Tyr	Val	Leu	Thr	Val	Gly	Phe	Met	Ser	Phe	Ala	Val	Cys	Tyr	Lys		
				85					90					95			
Tyr	Gly	Pro	Leu	Glu	Asn	Glu	Arg	Ser	Ile	Asn	Leu	Leu	Thr	Trp	Thr		
		100						105					110				
Leu	Gln	Leu	Met	Gly	Leu	Cys	Phe	Met	Tyr	Ser	Gly	Ile	Gln	Ile	Pro		
	115						120					125					
His	Ile	Ala	Leu	Ala	Ile	Ile	Ile	Ile	Ala	Leu	Cys	Thr	Lys	Asn	Leu		
	130					135					140						
Glu	His	Pro	Ile	Gln	Trp	Leu	Tyr	Ile	Thr	Cys	Arg	Lys	Val	Cys	Lys		
145					150					155					160		
Gly	Ala	Glu	Lys	Pro	Val	Pro	Pro	Arg	Leu	Leu	Thr	Glu	Glu	Glu	Tyr		
			165					170					175				
Arg	Ile	Gln	Gly	Glu	Val	Glu	Thr	Arg	Lys	Ala	Leu	Glu	Glu	Leu	Arg		
		180						185					190				
Glu	Phe	Cys	Asn	Ser	Pro	Asp	Cys	Ser	Ala	Trp	Lys	Thr	Val	Ser	Arg		
	195					200					205						
Ile	Gln	Ser	Pro	Lys	Arg	Phe	Ala	Asp	Phe	Val	Glu	Gly	Ser	Ser	His		
	210					215					220						
Leu	Thr	Pro	Asn	Glu	Val	Ser	Val	His	Glu	Gln	Glu	Tyr	Gly	Leu	Gly		
225					230					235					240		
Ser	Ile	Ile	Ala	Gln	Asp	Glu	Ile	Tyr	Glu	Glu	Ala	Ser	Ser	Glu	Glu		
			245					250						255			
Glu	Asp	Ser	Tyr	Ser	Arg	Cys	Pro	Ala	Ile	Thr	Gln	Asn	Asn	Phe	Leu		
			260					265					270				

Thr

<210> 1820
 <211> 96
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1820
 Met Lys Val Ala Val Ser Pro Ala Val Gly Pro Gly Pro Trp Gly Ser
 1 5 10 15
 Gly Val Gly Gly Gly Gly Thr Val Arg Leu Leu Leu Ile Leu Ser Gly
 20 25 30
 Cys Leu Val Tyr Gly Thr Ala Glu Thr Asp Val Asn Val Val Met Leu
 35 40 45
 Gln Glu Ser Gln Val Cys Glu Lys Arg Ala Ser Gln Gln Phe Cys Tyr
 50 55 60
 Thr Asn Val Leu Ile Pro Lys Trp His Asp Ile Trp Thr Arg Ile Gln
 65 70 75 80
 Xaa Arg Xaa Xaa Ser Ser Arg Leu Val Arg Val Thr Gln Val Glu Xaa
 85 90 95

<210> 1821

<211> 273
 <212> PRT
 <213> Homo sapiens

<400> 1821

Met	Leu	Phe	Phe	Cys	Gly	Asp	Leu	Leu	Ser	Arg	Ser	Gln	Ile	Phe	Tyr
1				5					10					15	
Tyr	Ser	Thr	Gly	Met	Thr	Val	Gly	Ile	Val	Ala	Ser	Leu	Leu	Ile	Ile
			20					25					30		
Ile	Phe	Ile	Leu	Ser	Lys	Phe	Met	Pro	Lys	Lys	Ser	Pro	Ile	Tyr	Val
		35					40					45			
Ile	Leu	Val	Gly	Gly	Trp	Ser	Phe	Ser	Leu	Tyr	Leu	Ile	Gln	Leu	Val
	50					55					60				
Phe	Lys	Asn	Leu	Gln	Glu	Ile	Trp	Arg	Cys	Tyr	Trp	Gln	Tyr	Leu	Leu
	65				70					75					80
Ser	Tyr	Val	Leu	Thr	Val	Gly	Phe	Met	Ser	Phe	Ala	Val	Cys	Tyr	Lys
				85					90					95	
Tyr	Gly	Pro	Leu	Glu	Asn	Glu	Arg	Ser	Ile	Asn	Leu	Leu	Thr	Trp	Thr
			100					105					110		
Leu	Gln	Leu	Met	Gly	Leu	Cys	Phe	Met	Tyr	Ser	Gly	Ile	Gln	Ile	Pro
		115					120					125			
His	Ile	Ala	Leu	Ala	Ile	Ile	Ile	Ile	Ala	Leu	Cys	Thr	Lys	Asn	Leu
	130					135					140				
Glu	His	Pro	Ile	Gln	Trp	Leu	Tyr	Ile	Thr	Cys	Arg	Lys	Val	Cys	Lys
145					150					155					160
Gly	Ala	Glu	Lys	Pro	Val	Pro	Pro	Arg	Leu	Leu	Thr	Glu	Glu	Glu	Tyr
				165					170					175	
Arg	Ile	Gln	Gly	Glu	Val	Glu	Thr	Arg	Lys	Ala	Leu	Glu	Glu	Leu	Arg
			180					185					190		
Glu	Phe	Cys	Asn	Ser	Pro	Asp	Cys	Ser	Ala	Trp	Lys	Thr	Val	Ser	Arg
		195					200					205			
Ile	Gln	Ser	Pro	Lys	Arg	Phe	Ala	Asp	Phe	Val	Glu	Gly	Ser	Ser	His
	210					215					220				
Leu	Thr	Pro	Asn	Glu	Val	Ser	Val	His	Glu	Gln	Glu	Tyr	Gly	Leu	Gly
225					230					235					240
Ser	Ile	Ile	Ala	Gln	Asp	Glu	Ile	Tyr	Glu	Glu	Ala	Ser	Ser	Glu	Glu
				245					250					255	

Glu Asp Ser Tyr Ser Arg Cys Pro Ala Ile Thr Gln Asn Asn Phe Leu
 260 265 270

Thr

<210> 1822

<211> 273

<212> PRT

<213> Homo sapiens

<400> 1822

Met Leu Phe Phe Cys Gly Asp Leu Leu Ser Arg Ser Gln Ile Phe Tyr
 1 5 10 15

Tyr Ser Thr Gly Met Thr Val Gly Ile Val Ala Ser Leu Leu Ile Ile
 20 25 30

Ile Phe Ile Leu Ser Lys Phe Met Pro Lys Lys Ser Pro Ile Tyr Val
 35 40 45

Ile Leu Val Gly Gly Trp Ser Phe Ser Leu Tyr Leu Ile Gln Leu Val
 50 55 60

Phe Lys Asn Leu Gln Glu Ile Trp Arg Cys Tyr Trp Gln Tyr Leu Leu
 65 70 75 80

Ser Tyr Val Leu Thr Val Gly Phe Met Ser Phe Ala Val Cys Tyr Lys
 85 90 95

Tyr Gly Pro Leu Glu Asn Glu Arg Ser Ile Asn Leu Leu Thr Trp Thr
 100 105 110

Leu Gln Leu Met Gly Leu Cys Phe Met Tyr Ser Gly Ile Gln Ile Pro
 115 120 125

His Ile Ala Leu Ala Ile Ile Ile Ile Ala Leu Cys Thr Lys Asn Leu
 130 135 140

Glu His Pro Ile Gln Trp Leu Tyr Ile Thr Cys Arg Lys Val Cys Lys
 145 150 155 160

Gly Ala Glu Lys Pro Val Pro Pro Arg Leu Leu Thr Glu Glu Glu Tyr
 165 170 175

Arg Ile Gln Gly Glu Val Glu Thr Arg Lys Ala Leu Glu Glu Leu Arg
 180 185 190

Glu Phe Cys Asn Ser Pro Asp Cys Ser Ala Trp Lys Thr Val Ser Arg

195	200	205
Ile Gln Ser Pro Lys Arg Phe Ala Asp Phe Val Glu Gly Ser Ser His		
210	215	220
Leu Thr Pro Asn Glu Val Ser Val His Glu Gln Glu Tyr Gly Leu Gly		
225	230	235
Ser Ile Ile Ala Gln Asp Glu Ile Tyr Glu Glu Ala Ser Ser Glu Glu		
245	250	255
Glu Asp Ser Tyr Ser Arg Cys Pro Ala Ile Thr Gln Asn Asn Phe Leu		
260	265	270

Thr

<210> 1823
 <211> 105
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1823

Met Phe Ala Leu Ala Trp Lys Val Ile Phe Ser Val Met Leu Gln Asn	
1 5 10 15	
Pro Ile Arg Tyr Pro Ser Val Leu Gly Ile Lys Ser Ser Leu Leu Ser	
20 25 30	
Ser Leu Val Leu Val Met Val Trp Gly Asn Glu Lys Ser Gly Pro Cys	
35 40 45	
Pro Thr Pro Lys Ser Arg Lys Gly Arg Arg Ser Cys Pro Ala Gln Val	
50 55 60	
Gly Arg Gly Glu Xaa Gly Ser Tyr Trp Asp Pro Glu Phe Arg Leu Ser	
65 70 75 80	
Arg Lys Ser Asn Gln Gly Leu Arg Arg Asp Tyr Leu Ser Leu Tyr His	
85 90 95	
Phe Asn Leu His Phe Arg Asp Thr Phe	
100 105	

<210> 1824
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 1824
 Met Phe Ala Leu Ala Trp Lys Val Ile Phe Ser Val Met Leu Gln Asn
 1 5 10 15
 Pro Ile Arg Tyr Pro Ser Val Leu Gly Ile Lys Ser Ser Leu Leu Ser
 20 25 30
 Ser Leu Val Leu Val Met Val Trp Gly Asn Glu Lys Ser Gly Pro Cys
 35 40 45
 Pro Thr Pro Lys Ser Arg Lys Gly Arg Arg Ser Cys Pro Ala Gln Val
 50 55 60
 Gly Arg Gly Glu Glu Gly Ser Tyr Trp Asp Pro Glu Phe Arg Leu Ser
 65 70 75 80
 Arg Lys Ser Asn Gln Gly Leu Arg Arg Asp Tyr Leu Ser Leu Tyr His
 85 90 95
 Phe Asn Leu His Phe Arg Asp Thr Phe
 100 105

<210> 1825
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 1825
 Met Leu Leu Gly Phe Leu Val Leu Ile Pro Trp Gly Ser Leu Ile Leu
 1 5 10 15
 Gly Ser Ser Asp Leu Asp Pro Ser Ser Leu Pro Leu Gly Thr Arg Gly
 20 25 30
 His Gly Trp Arg Trp Pro Pro Leu Ser Pro Val Gln Ile Leu Tyr Pro
 35 40 45
 Leu Ala Gly Asp Pro His Ala Ala Val Ser Cys Ser Cys Cys Gly Glu
 50 55 60
 Thr Glu Leu Arg Ala Leu Leu Thr Gly Ser Leu Pro Met Glu Ala Phe
 65 70 75 80
 Ser Gly Leu His Ser Ile Glu Tyr Ser Ser Arg Thr Ala Cys

<210> 1826
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 1826

Met	Leu	Leu	Gly	Phe	Leu	Val	Leu	Ile	Pro	Trp	Gly	Ser	Leu	Ile	Leu
1				5					10					15	
Gly	Ser	Ser	Asp	Leu	Asp	Pro	Ser	Ser	Leu	Pro	Leu	Gly	Thr	Arg	Gly
			20					25					30		
His	Gly	Trp	Arg	Trp	Pro	Pro	Leu	Ser	Pro	Val	Gln	Ile	Leu	Tyr	Pro
		35					40					45			
Leu	Ala	Gly	Asp	Pro	His	Ala	Ala	Val	Ser	Cys	Ser	Cys	Cys	Gly	Glu
	50					55					60				
Thr	Glu	Leu	Arg	Ala	Leu	Leu	Thr	Gly	Ser	Leu	Pro	Met	Glu	Ala	Phe
	65				70					75					80
Ser	Gly	Leu	His	Ser	Ile	Glu	Tyr	Ser	Ser	Arg	Thr	Ala	Cys		
				85					90						

<210> 1827
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 1827

Met	Ala	Val	Thr	Ala	Cys	Gln	Gly	Leu	Gly	Phe	Val	Val	Ser	Leu	Ile
1				5					10					15	
Gly	Ile	Ala	Gly	Ile	Ile	Ala	Ala	Thr	Cys	Met	Asp	Gln	Trp	Ser	Thr
			20					25					30		
Gln	Asp	Leu	Tyr	Asn	Asn	Pro	Val	Thr	Ala	Val	Phe	Asn	Tyr	Gln	Gly
		35					40					45			
Leu	Trp	Arg	Ser	Cys	Val	Arg	Glu	Ser	Ser	Gly	Phe	Thr	Glu	Cys	Arg
	50					55					60				
Gly	Tyr	Phe	Thr	Leu	Leu	Gly	Leu	Pro	Ala	Met	Leu	Gln	Ala	Val	Arg
	65				70					75					80
Ala	Leu	Met	Ile	Val	Gly	Ile	Val	Leu	Gly	Ala	Ile	Gly	Leu	Leu	Val

				85						90					95		
Ser	Ile	Phe	Ala	Leu	Lys	Cys	Ile	Arg	Ile	Gly	Ser	Met	Glu	Asp	Ser		
			100					105					110				
Ala	Lys	Ala	Asn	Met	Thr	Leu	Thr	Ser	Gly	Ile	Met	Phe	Ile	Val	Ser		
		115					120					125					
Gly	Leu	Cys	Ala	Ile	Ala	Gly	Val	Ser	Val	Phe	Ala	Asn	Met	Leu	Val		
	130					135					140						
Thr	Asn	Phe	Trp	Met	Ser	Thr	Ala	Asn	Met	Tyr	Thr	Gly	Met	Gly	Gly		
145					150					155					160		
Met	Val	Gln	Thr	Val	Gln	Thr	Arg	Tyr	Thr	Phe	Gly	Ala	Ala	Leu	Phe		
				165					170					175			
Val	Gly	Trp	Val	Ala	Gly	Gly	Leu	Thr	Leu	Ile	Gly	Gly	Val	Met	Met		
			180					185					190				
Cys	Ile	Ala	Cys	Arg	Gly	Leu	Ala	Pro	Glu	Glu	Thr	Asn	Tyr	Lys	Ala		
		195					200					205					
Val	Ser	Tyr	His	Ala	Ser	Gly	His	Ser	Val	Ala	Tyr	Lys	Pro	Gly	Gly		
	210					215					220						
Phe	Lys	Ala	Ser	Thr	Gly	Phe	Gly	Ser	Asn	Thr	Lys	Asn	Lys	Lys	Arg		
225					230					235					240		
Tyr	Asp	Gly	Gly	Ala	Arg	Thr	Glu	Asp	Glu	Val	Gln	Ser	Tyr	Pro	Ser		
				245					250					255			
Lys	His	Asp	Tyr	Val													
			260														

<210> 1828

<211> 261

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1828

Met	Ala	Val	Thr	Ala	Cys	Gln	Gly	Leu	Gly	Phe	Val	Val	Ser	Leu	Ile	
1				5					10					15		
Gly	Ile	Ala	Gly	Ile	Ile	Ala	Ala	Thr	Cys	Met	Asp	Gln	Trp	Ser	Thr	
			20					25					30			
Gln	Asp	Leu	Tyr	Asn	Asn	Pro	Val	Thr	Ala	Val	Phe	Asn	Tyr	Gln	Gly	
		35					40					45				
Leu	Trp	Arg	Ser	Cys	Val	Arg	Glu	Ser	Ser	Gly	Phe	Thr	Glu	Cys	Arg	
	50					55					60					
Gly	Tyr	Phe	Thr	Leu	Leu	Gly	Leu	Pro	Ala	Met	Leu	Gln	Ala	Val	Arg	
65					70					75					80	
Ala	Leu	Met	Ile	Val	Gly	Ile	Val	Leu	Gly	Ala	Ile	Gly	Leu	Leu	Val	
				85					90					95		
Ser	Ile	Phe	Ala	Leu	Lys	Cys	Ile	Arg	Ile	Gly	Ser	Met	Glu	Asp	Ser	
			100					105					110			
Ala	Lys	Ala	Asn	Met	Thr	Leu	Thr	Ser	Gly	Ile	Met	Xaa	Ile	Xaa	Ser	
		115					120					125				
Gly	Leu	Cys	Ala	Ile	Ala	Gly	Val	Ser	Val	Phe	Ala	Asn	Met	Leu	Val	
	130					135					140					
Thr	Asn	Phe	Trp	Met	Ser	Thr	Ala	Asn	Met	Tyr	Thr	Gly	Met	Gly	Gly	
145					150					155					160	
Met	Val	Gln	Thr	Val	Gln	Thr	Arg	Tyr	Thr	Phe	Gly	Ala	Ala	Leu	Phe	
				165					170					175		
Val	Gly	Trp	Val	Ala	Gly	Gly	Leu	Thr	Leu	Ile	Gly	Gly	Val	Met	Met	
			180					185					190			
Cys	Ile	Ala	Cys	Arg	Gly	Leu	Ala	Pro	Glu	Glu	Thr	Asn	Tyr	Lys	Ala	
		195					200					205				
Val	Ser	Tyr	His	Ala	Ser	Gly	His	Ser	Val	Ala	Tyr	Lys	Pro	Gly	Gly	
	210					215					220					
Phe	Lys	Ala	Ser	Thr	Gly	Phe	Gly	Ser	Asn	Thr	Lys	Asn	Lys	Lys	Arg	
225					230					235					240	
Tyr	Asp	Gly	Gly	Ala	Arg	Thr	Glu	Asp	Glu	Val	Gln	Ser	Tyr	Pro	Ser	
				245					250					255		
Lys	His	Asp	Tyr	Val												
			260													

<210> 1829

<211> 92

<212> PRT

<213> Homo sapiens

<400> 1829

Met Thr Ser Leu Leu Glu Gly Arg Met Val Leu Cys Val Ser Cys Leu
1 5 10 15

Leu Leu Pro Leu Leu Leu Leu Leu Lys His Phe Asn Gly Leu Met Thr
20 25 30

Pro Tyr Leu Ala His Asn Val Tyr Cys Pro Ile Glu Tyr Ile Ser Phe
35 40 45

Phe Pro Phe His Glu Lys Asn Ile Glu Tyr Ile Ser Ile Trp Phe Ile
50 55 60

Phe Asp Ser Phe Lys Phe Ile Tyr Ser Arg Leu Leu Cys Ile Ser Gln
65 70 75 80

Ile Tyr Val Leu Tyr Arg Ala Tyr Thr Leu Pro His
85 90

<210> 1830

<211> 92

<212> PRT

<213> Homo sapiens

<400> 1830

Met Thr Ser Leu Leu Glu Gly Arg Met Val Leu Cys Val Ser Cys Leu
1 5 10 15

Leu Leu Pro Leu Leu Leu Leu Leu Lys His Phe Asn Gly Leu Met Thr
20 25 30

Pro Tyr Leu Ala His Asn Val Tyr Cys Pro Ile Glu Tyr Ile Ser Phe
35 40 45

Phe Pro Phe His Glu Lys Asn Ile Glu Tyr Ile Ser Ile Trp Phe Ile
50 55 60

Phe Asp Ser Phe Lys Phe Ile Tyr Ser Arg Leu Leu Cys Ile Ser Gln
65 70 75 80

Ile Tyr Val Leu Tyr Arg Ala Tyr Thr Leu Pro His
85 90

<210> 1831

<211> 92

<212> PRT

<213> Homo sapiens

<400> 1831

Met Thr Ser Leu Leu Glu Gly Arg Met Val Leu Cys Val Ser Cys Leu
1 5 10 15

Leu Leu Pro Leu Leu Leu Leu Leu Lys His Phe Asn Gly Leu Met Thr
20 25 30

Pro Tyr Leu Ala His Asn Val Tyr Cys Pro Ile Glu Tyr Ile Ser Phe
35 40 45

Phe Pro Phe His Glu Lys Asn Ile Glu Tyr Ile Ser Ile Trp Phe Ile
50 55 60

Phe Asp Ser Phe Lys Phe Ile Tyr Ser Arg Leu Leu Cys Ile Ser Gln
65 70 75 80

Ile Tyr Val Leu Tyr Arg Ala Tyr Thr Leu Pro His
85 90

<210> 1832

<211> 270

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (268)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1832

Gly	Glu	Glu	Phe	Gln	Pro	Glu	Gly	Ser	Lys	Cys	Thr	Lys	Cys	Ser	Cys	
1				5					10					15		
Thr	Gly	Gly	Arg	Thr	Gln	Cys	Val	Arg	Glu	Val	Cys	Pro	Ile	Leu	Ser	
			20					25					30			
Cys	Pro	Gln	His	Leu	Ser	His	Ile	Pro	Pro	Gly	Gln	Cys	Cys	Pro	Lys	
		35					40					45				
Cys	Leu	Gly	Gln	Arg	Lys	Val	Phe	Asp	Leu	Pro	Phe	Gly	Ser	Cys	Leu	
	50					55					60					
Phe	Arg	Ser	Asp	Val	Tyr	Asp	Asn	Gly	Ser	Ser	Phe	Leu	Tyr	Asp	Asn	
65					70					75					80	
Cys	Thr	Ala	Cys	Thr	Cys	Arg	Asp	Ser	Thr	Val	Val	Cys	Lys	Arg	Lys	
				85					90					95		
Cys	Ser	His	Pro	Gly	Gly	Cys	Asp	Gln	Gly	Gln	Glu	Gly	Cys	Cys	Glu	
			100					105					110			
Xaa	Cys	Leu	Leu	Arg	Xaa	Pro	Pro	Glu	Asp	Ile	Lys	Val	Cys	Lys	Phe	
		115					120					125				
Gly	Asn	Lys	Ile	Phe	Gln	Asp	Gly	Glu	Met	Trp	Ser	Ser	Ile	Asn	Cys	
	130					135						140				
Thr	Ile	Cys	Ala	Cys	Val	Lys	Gly	Arg	Thr	Glu	Cys	Xaa	Asn	Lys	Gln	
145					150					155					160	
Cys	Ile	Pro	Ile	Ser	Ser	Cys	Pro	Gln	Gly	Lys	Ile	Leu	Asn	Arg	Lys	
				165					170					175		
Gly	Cys	Cys	Pro	Ile	Cys	Thr	Glu	Lys	Pro	Gly	Val	Cys	Thr	Val	Phe	
			180					185					190			
Gly	Asp	Pro	His	Tyr	Asn	Thr	Phe	Asp	Gly	Arg	Thr	Phe	Asn	Phe	Gln	
	195						200					205				
Gly	Thr	Cys	Gln	Tyr	Val	Leu	Thr	Lys	Asp	Cys	Ser	Ser	Pro	Ala	Ser	
	210					215					220					
Pro	Phe	Gln	Val	Leu	Val	Lys	Asn	Asp	Ala	Arg	Arg	Thr	Arg	Ser	Phe	
225					230					235					240	
Ser	Trp	Thr	Lys	Ser	Val	Glu	Leu	Val	Leu	Gly	Glu	Thr	Gly	Ser	Ala	
				245					250					255		
Cys	Ser	Ser	Thr	Ser	Pro	Cys	Ala	Gly	Thr	Ala	Xaa	Ala	Ser			
			260					265					270			

<210> 1833
 <211> 182
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (104)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (147)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (151)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (176)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (179)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1833
 Met Leu Trp Phe Ser Gly Val Gly Ala Leu Ala Glu Arg Tyr Cys Arg
 1 5 10 15
 Arg Ser Pro Gly Ile Thr Cys Cys Val Leu Leu Leu Leu Asn Cys Ser
 20 25 30
 Gly Val Pro Met Ser Leu Ala Ser Ser Phe Leu Thr Gly Ser Val Ala
 35 40 45
 Lys Cys Glu Asn Glu Gly Glu Val Leu Gln Ile Pro Phe Ile Thr Asp
 50 55 60
 Asn Pro Cys Ile Met Cys Val Cys Leu Asn Lys Glu Val Thr Cys Lys
 65 70 75 80
 Arg Glu Lys Cys Pro Val Leu Ser Arg Asp Cys Ala Leu Ala Ile Lys
 85 90 95

Gln	Arg	Gly	Ala	Cys	Cys	Glu	Xaa	Cys	Lys	Gly	Cys	Thr	Tyr	Glu	Gly
			100					105					110		
Asn	Thr	Tyr	Asn	Ser	Ser	Phe	Lys	Trp	Gln	Ser	Pro	Ala	Glu	Pro	Cys
		115					120					125			
Val	Leu	Arg	Gln	Cys	Gln	Glu	Gly	Val	Val	Thr	Glu	Ser	Gly	Val	Arg
	130					135					140				
Cys	Val	Xaa	His	Cys	Lys	Xaa	Pro	Leu	Glu	His	Leu	Gly	Met	Cys	Cys
145					150					155					160
Pro	Thr	Cys	Pro	Gly	Cys	Val	Phe	Glu	Gly	Val	Gln	Tyr	Gln	Glu	Xaa
				165					170					175	
Glu	Glu	Xaa	Gln	Pro	Glu										
			180												

<210> 1834
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1834															
Ser	Ser	Ser	Leu	Leu	Ile	Ile	Tyr	Val	Cys	Met	Met	Asp	Val	Thr	Ile
1				5					10					15	
Tyr	Met	Ser	Cys	Val	Glu	Ile	Lys	Gly	Cys	Leu	Asp	Ala	Met	Leu	Ile
			20					25					30		
Leu	Leu	Ser	Met	Arg	Lys	Tyr	Leu	Lys	Lys	Leu	Leu	His	Asn	Ile	
		35					40					45			

<210> 1835
 <211> 445
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (147)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (288)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (293)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (332)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (443)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1835
 Met Leu Trp Phe Ser Gly Val Gly Ala Leu Ala Glu Arg Tyr Cys Arg
 1 5 10 15
 Arg Ser Pro Gly Ile Thr Cys Cys Val Leu Leu Leu Leu Asn Cys Ser
 20 25 30
 Gly Val Pro Met Ser Leu Ala Ser Ser Phe Leu Thr Gly Ser Val Ala
 35 40 45
 Lys Cys Glu Asn Glu Gly Glu Val Leu Gln Ile Pro Phe Ile Thr Asp
 50 55 60
 Asn Pro Cys Ile Met Cys Val Cys Leu Asn Lys Glu Val Thr Cys Lys
 65 70 75 80
 Arg Glu Lys Cys Pro Val Leu Ser Arg Asp Cys Ala Leu Ala Ile Lys
 85 90 95
 Gln Arg Gly Ala Cys Cys Glu Gln Cys Lys Gly Cys Thr Tyr Glu Gly
 100 105 110
 Asn Thr Tyr Asn Ser Ser Phe Lys Trp Gln Ser Pro Ala Glu Pro Cys
 115 120 125
 Val Leu Arg Gln Cys Gln Glu Gly Val Val Thr Glu Ser Gly Val Arg
 130 135 140
 Cys Val Xaa His Cys Lys Asn Pro Leu Glu His Leu Gly Met Cys Cys
 145 150 155 160
 Pro Thr Cys Pro Gly Cys Val Phe Glu Gly Val Gln Tyr Gln Glu Gly
 165 170 175
 Glu Glu Phe Gln Pro Glu Gly Ser Lys Cys Thr Lys Cys Ser Cys Thr
 180 185 190

Gly	Gly	Arg	Thr	Gln	Cys	Val	Arg	Glu	Val	Cys	Pro	Ile	Leu	Ser	Cys	
		195					200					205				
Pro	Gln	His	Leu	Ser	His	Ile	Pro	Pro	Gly	Gln	Cys	Cys	Pro	Lys	Cys	
	210					215					220					
Leu	Gly	Gln	Arg	Lys	Val	Phe	Asp	Leu	Pro	Phe	Gly	Ser	Cys	Leu	Phe	
225					230					235					240	
Arg	Ser	Asp	Val	Tyr	Asp	Asn	Gly	Ser	Ser	Phe	Leu	Tyr	Asp	Asn	Cys	
			245					250						255		
Thr	Ala	Cys	Thr	Cys	Arg	Asp	Ser	Thr	Val	Val	Cys	Lys	Arg	Lys	Cys	
			260					265					270			
Ser	His	Pro	Gly	Gly	Cys	Asp	Gln	Gly	Gln	Glu	Gly	Cys	Cys	Glu	Xaa	
		275					280					285				
Cys	Leu	Leu	Arg	Xaa	Pro	Pro	Glu	Asp	Ile	Lys	Val	Cys	Lys	Phe	Gly	
	290					295					300					
Asn	Lys	Ile	Phe	Gln	Asp	Gly	Glu	Met	Trp	Ser	Ser	Ile	Asn	Cys	Thr	
305					310					315					320	
Ile	Cys	Ala	Cys	Val	Lys	Gly	Arg	Thr	Glu	Cys	Xaa	Asn	Lys	Gln	Cys	
				325					330					335		
Ile	Pro	Ile	Ser	Ser	Cys	Pro	Gln	Gly	Lys	Ile	Leu	Asn	Arg	Lys	Gly	
			340					345					350			
Cys	Cys	Pro	Ile	Cys	Thr	Glu	Lys	Pro	Gly	Val	Cys	Thr	Val	Phe	Gly	
		355					360					365				
Asp	Pro	His	Tyr	Asn	Thr	Phe	Asp	Gly	Arg	Thr	Phe	Asn	Phe	Gln	Gly	
	370					375					380					
Thr	Cys	Gln	Tyr	Val	Leu	Thr	Lys	Asp	Cys	Ser	Ser	Pro	Ala	Ser	Pro	
385					390					395					400	
Phe	Gln	Val	Leu	Val	Lys	Asn	Asp	Ala	Arg	Arg	Thr	Arg	Ser	Phe	Ser	
				405					410					415		
Trp	Thr	Lys	Ser	Val	Glu	Leu	Val	Leu	Gly	Glu	Thr	Gly	Ser	Ala	Cys	
			420					425					430			
Ser	Ser	Thr	Ser	Pro	Cys	Ala	Gly	Thr	Ala	Xaa	Ala	Ser				
		435					440					445				

<210> 1836

<211> 370

<212> PRT

<213> Homo sapiens

<400> 1836

Leu Gly Gly Ala Arg Val Arg Arg Ala Val Gly Leu Ser Gly Thr Gly
1 5 10 15

Ala Glu Ala Gly Arg Ala Gly Ala Met Val Glu Lys Glu Glu Ala Gly
20 25 30

Gly Gly Ile Ser Glu Glu Glu Ala Ala Gln Tyr Asp Arg Gln Ile Arg
35 40 45

Leu Trp Gly Leu Glu Ala Gln Lys Arg Leu Arg Ala Ser Arg Val Leu
50 55 60

Leu Val Gly Leu Lys Gly Leu Gly Ala Glu Ile Ala Lys Asn Leu Ile
65 70 75 80

Leu Ala Gly Val Lys Gly Leu Thr Met Leu Asp His Glu Gln Val Thr
85 90 95

Pro Glu Asp Pro Gly Ala Gln Phe Leu Ile Arg Thr Gly Ser Val Gly
100 105 110

Arg Asn Arg Ala Glu Ala Ser Leu Glu Arg Ala Gln Asn Leu Asn Pro
115 120 125

Met Val Asp Val Lys Val Asp Thr Glu Asp Ile Glu Lys Lys Pro Glu
130 135 140

Ser Phe Phe Thr Gln Phe Asp Ala Val Cys Leu Thr Cys Cys Ser Arg
145 150 155 160

Asp Val Ile Val Lys Val Asp Gln Ile Cys His Lys Asn Ser Ile Lys
165 170 175

Phe Phe Thr Gly Asp Val Phe Gly Tyr His Gly Tyr Thr Phe Ala Asn
180 185 190

Leu Gly Glu His Glu Phe Val Glu Glu Lys Thr Lys Val Ala Lys Val
195 200 205

Ser Gln Gly Val Glu Asp Gly Pro Asp Thr Lys Arg Ala Lys Leu Asp
210 215 220

Ser Ser Glu Thr Thr Met Val Lys Lys Lys Val Val Phe Cys Pro Val
225 230 235 240

Lys Glu Ala Leu Glu Val Asp Trp Ser Ser Glu Lys Ala Lys Ala Ala
245 250 255

Leu Lys Arg Thr Thr Ser Asp Tyr Phe Leu Leu Gln Val Leu Leu Lys
 260 265 270

Phe Arg Thr Asp Lys Gly Arg Asp Pro Ser Ser Asp Thr Tyr Glu Glu
 275 280 285

Asp Ser Glu Leu Leu Leu Gln Ile Arg Asn Asp Val Leu Asp Ser Leu
 290 295 300

Gly Ile Ser Pro Asp Leu Leu Pro Glu Asp Phe Val Arg Tyr Cys Phe
 305 310 315 320

Ser Glu Met Ala Pro Val Cys Ala Val Val Gly Gly Ile Leu Ala Gln
 325 330 335

Glu Ile Val Lys Ala Leu Ser Gln Arg Asp Pro Pro His Asn Asn Phe
 340 345 350

Phe Phe Phe Asp Gly Met Lys Gly Asn Gly Ile Val Glu Cys Leu Gly
 355 360 365

Pro Lys
 370

<210> 1837

<211> 42

<212> PRT

<213> Homo sapiens

<400> 1837

Met Val Pro Ser Val Thr Leu Ile Leu His Cys Pro Gly Phe Ser Thr
 1 5 10 15

Glu Ser His Met Cys Gly Lys Pro Leu Ser Pro Arg Pro Thr Arg Thr
 20 25 30

Val Gly Arg Pro Val Ser Asn Ile Pro Val
 35 40

<210> 1838

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1838

Val Gln Gly Val Val Gln Ala Leu Lys Thr Asp His Ala Phe Cys Pro
1 5 10 15

Xaa Leu Gln Gly Thr Glu Ser Ile Arg Leu Arg Ile Leu Glu Phe Glu
20 25 30

Leu Asn Gln Val Arg Ser Val Ser Gln Glu Leu Pro Pro Gly Xaa Pro
35 40 45

Glu Ser Pro Gln Thr Asp Gly Gln Pro Pro Arg Ala Trp Pro Gln Leu
50 55 60

Gly Met Pro Ser Asn Pro Thr Cys Phe Ser Phe Leu Pro Gly Tyr Ser
65 70 75 80

Gly Leu Arg Ser Ser Ala Leu Asn Phe
85

<210> 1839

<211> 346

<212> PRT

<213> Homo sapiens

<400> 1839

Met Val Glu Lys Glu Glu Ala Gly Gly Gly Ile Ser Glu Glu Glu Ala
1 5 10 15

Ala Gln Tyr Asp Arg Gln Ile Arg Leu Trp Gly Leu Glu Ala Gln Lys
20 25 30

Arg Leu Arg Ala Ser Arg Val Leu Leu Val Gly Leu Lys Gly Leu Gly
35 40 45

Ala Glu Ile Ala Lys Asn Leu Ile Leu Ala Gly Val Lys Gly Leu Thr
50 55 60

Met Leu Asp His Glu Gln Val Thr Pro Glu Asp Pro Gly Ala Gln Phe
65 70 75 80

Leu Ile Arg Thr Gly Ser Val Gly Arg Asn Arg Ala Glu Ala Ser Leu
85 90 95

Glu Arg Ala Gln Asn Leu Asn Pro Met Val Asp Val Lys Val Asp Thr

100					105					110						
Glu	Asp	Ile	Glu	Lys	Lys	Pro	Glu	Ser	Phe	Phe	Thr	Gln	Phe	Asp	Ala	
115					120					125						
Val	Cys	Leu	Thr	Cys	Cys	Ser	Arg	Asp	Val	Ile	Val	Lys	Val	Asp	Gln	
130					135					140						
Ile	Cys	His	Lys	Asn	Ser	Ile	Lys	Phe	Phe	Thr	Gly	Asp	Val	Phe	Gly	
145					150					155					160	
Tyr	His	Gly	Tyr	Thr	Phe	Ala	Asn	Leu	Gly	Glu	His	Glu	Phe	Val	Glu	
165					170					175						
Glu	Lys	Thr	Lys	Val	Ala	Lys	Val	Ser	Gln	Gly	Val	Glu	Asp	Gly	Pro	
180					185					190						
Asp	Thr	Lys	Arg	Ala	Lys	Leu	Asp	Ser	Ser	Glu	Thr	Thr	Met	Val	Lys	
195					200					205						
Lys	Lys	Val	Val	Phe	Cys	Pro	Val	Lys	Glu	Ala	Leu	Glu	Val	Asp	Trp	
210					215					220						
Ser	Ser	Glu	Lys	Ala	Lys	Ala	Ala	Leu	Lys	Arg	Thr	Thr	Ser	Asp	Tyr	
225					230					235					240	
Phe	Leu	Leu	Gln	Val	Leu	Leu	Lys	Phe	Arg	Thr	Asp	Lys	Gly	Arg	Asp	
245					250					255						
Pro	Ser	Ser	Asp	Thr	Tyr	Glu	Glu	Asp	Ser	Glu	Leu	Leu	Leu	Gln	Ile	
260					265					270						
Arg	Asn	Asp	Val	Leu	Asp	Ser	Leu	Gly	Ile	Ser	Pro	Asp	Leu	Leu	Pro	
275					280					285						
Glu	Asp	Phe	Val	Arg	Tyr	Cys	Phe	Ser	Glu	Met	Ala	Pro	Val	Cys	Ala	
290					295					300						
Val	Val	Gly	Gly	Ile	Leu	Ala	Gln	Glu	Ile	Val	Lys	Ala	Leu	Ser	Gln	
305					310					315					320	
Arg	Asp	Pro	Pro	His	Asn	Asn	Phe	Phe	Phe	Phe	Asp	Gly	Met	Lys	Gly	
325					330					335						
Asn	Gly	Ile	Val	Glu	Cys	Leu	Gly	Pro	Lys							
340					345											

<210> 1840
 <211> 155
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1840

Met	Gln	His	Gln	Leu	His	Leu	Leu	Ile	Cys	Trp	Gly	Lys	Gly	Ser	Lys
1				5					10					15	

Ser	Asn	Thr	Ser	Cys	Leu	Gly	Pro	Val	Leu	Ser	Cys	Ser	Asn	Met	Trp
	20							25					30		

Ser	Leu	Ala	Leu	Leu	Val	Val	Ala	Gly	Ser	Met	Gly	Val	Ala	Tyr	Ser
	35						40					45			

Ser	Val	Val	Met	Tyr	Val	Leu	Leu	Trp	Val	Pro	Leu	Pro	Leu	Pro	Ser
	50					55					60				

His	Phe	Leu	Pro	Ser	Gly	Ala	Pro	Glu	Ala	Gln	Pro	Thr	Thr	Trp	Ala
65					70					75					80

Gln	Ser	Pro	His	Ser	Val	Cys	Lys	Cys	Gly	Thr	Xaa	Leu	Gly	Pro	Ala
			85						90					95	

Lys	Pro	Gln	Gly	Pro	Ser	Leu	Pro	Xaa	Pro	Pro	Cys	Leu	Ile	Met	Leu
			100					105					110		

Leu	Ser	Cys	Arg	Arg	Gln	Leu	Gly	Leu	Ala	Pro	Ser	Xaa	Trp	Leu	Pro
		115					120					125			

Gly	Xaa	Gly	Ser	His	Gly	Gly	Glu	Leu	Arg	Gly	Cys	Ser	Gln	Gly	Trp
	130					135					140				

Ala	Pro	Gly	Ile	Ala	His	Leu	Asn	Ile	Cys	Thr
145					150					155

<210> 1841
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 1841
 Tyr Thr Phe Gln Cys Leu Ser Gln Thr Cys Ser Tyr Asp Ile Lys Cys
 1 5 10 15
 Tyr Phe Leu Val Ala Lys Ile Ile Leu Asp Ser Val Ile Lys Val Tyr
 20 25 30
 Trp Asn Leu Asn Phe Lys Met Ser Pro Asp
 35 40

<210> 1842
 <211> 265
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1842
 Pro Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr Ser Gly
 1 5 10 15
 Ser Pro Gly Leu Gln Xaa Phe Gly Thr Arg Arg Thr Arg Gly Arg Ser
 20 25 30
 Gly Arg Ala Gln Gly Arg Leu Lys Arg Pro Gly Lys Leu Ala Cys Arg
 35 40 45
 Lys Phe Pro Gly Arg Arg Gln Arg Val Val Pro Glu Leu Thr Asp Val
 50 55 60
 Leu Met Asn Glu Ile Leu His Gly Ala Asp Gly Thr Ser Ile Lys Cys
 65 70 75 80
 Gly Ile Ile Gly Glu Ile Gly Cys Ser Trp Pro Leu Thr Glu Ser Glu
 85 90 95
 Arg Lys Val Leu Gln Ala Thr Ala His Ala Gln Ala Gln Leu Gly Cys
 100 105 110

Pro Val Ile Ile His Pro Gly Arg Ser Ser Arg Ala Pro Phe Gln Ile
 115 120 125
 Ile Arg Ile Leu Gln Glu Ala Gly Ala Asp Ile Ser Lys Thr Val Met
 130 135 140
 Ser His Leu Asp Arg Thr Ile Leu Asp Lys Lys Glu Leu Leu Glu Phe
 145 150 155 160
 Ala Gln Leu Gly Cys Tyr Leu Glu Tyr Asp Leu Phe Gly Thr Glu Leu
 165 170 175
 Leu His Tyr Gln Leu Gly Pro Asp Ile Asp Met Pro Asp Asp Asn Lys
 180 185 190
 Arg Ile Arg Arg Val Arg Leu Leu Val Glu Glu Gly Cys Glu Asp Arg
 195 200 205
 Ile Leu Val Ala His Asp Ile His Thr Lys Thr Arg Leu Met Lys Tyr
 210 215 220
 Gly Gly His Gly Tyr Ser His Ile Leu Thr Asn Val Val Pro Lys Met
 225 230 235 240
 Leu Leu Arg Gly Ile Thr Glu Asn Val Leu Asp Lys Ile Leu Ile Glu
 245 250 255
 Asn Pro Lys Gln Trp Leu Thr Phe Lys
 260 265

<210> 1843
 <211> 503
 <212> PRT
 <213> Homo sapiens

<400> 1843
 Met Glu Gln Arg His Val Leu Leu Lys Gln Lys Glu Leu Gly Gly Glu
 1 5 10 15
 Glu Pro Glu Pro Ser Leu Arg Glu Gly Pro Gly Gly Leu Val Met Glu
 20 25 30
 Gly His Leu Phe Lys Arg Ala Ser Asn Ala Phe Lys Thr Trp Ser Arg
 35 40 45
 Arg Trp Phe Thr Ile Gln Ser Asn Gln Leu Val Tyr Gln Lys Lys Tyr
 50 55 60
 Lys Asp Pro Val Thr Val Val Val Asp Asp Leu Arg Leu Cys Thr Val
 65 70 75 80

Lys	Leu	Cys	Pro	Asp	Ser	Glu	Arg	Arg	Phe	Cys	Phe	Glu	Val	Val	Ser	
				85					90					95		
Thr	Ser	Lys	Ser	Cys	Leu	Leu	Gln	Ala	Asp	Ser	Glu	Arg	Leu	Leu	Gln	
			100					105					110			
Leu	Trp	Val	Ser	Ala	Val	Gln	Ser	Ser	Ile	Ala	Ser	Ala	Phe	Ser	Gln	
		115					120					125				
Ala	Arg	Leu	Asp	Asp	Ser	Pro	Arg	Gly	Pro	Gly	Gln	Gly	Ser	Gly	His	
	130					135					140					
Leu	Ala	Ile	Gly	Ser	Ala	Ala	Thr	Leu	Gly	Ser	Gly	Gly	Met	Ala	Arg	
145					150					155					160	
Gly	Arg	Glu	Pro	Gly	Gly	Val	Gly	His	Val	Val	Ala	Gln	Val	Gln	Ser	
				165					170					175		
Val	Asp	Gly	Asn	Ala	Gln	Cys	Cys	Asp	Cys	Arg	Glu	Pro	Ala	Pro	Glu	
			180					185					190			
Trp	Ala	Ser	Ile	Asn	Leu	Gly	Val	Thr	Leu	Cys	Ile	Gln	Cys	Ser	Gly	
		195					200					205				
Ile	His	Arg	Ser	Leu	Gly	Val	His	Phe	Ser	Lys	Val	Arg	Ser	Leu	Thr	
	210					215					220					
Leu	Asp	Ser	Trp	Glu	Pro	Glu	Leu	Val	Lys	Leu	Met	Cys	Glu	Leu	Gly	
225					230					235					240	
Asn	Val	Ile	Ile	Asn	Gln	Ile	Tyr	Glu	Ala	Arg	Val	Glu	Ala	Met	Ala	
				245					250					255		
Val	Lys	Lys	Pro	Gly	Pro	Ser	Cys	Ser	Arg	Gln	Glu	Lys	Glu	Ala	Trp	
			260					265					270			
Ile	His	Ala	Lys	Tyr	Val	Glu	Lys	Lys	Phe	Leu	Thr	Lys	Leu	Pro	Glu	
		275					280					285				
Ile	Arg	Gly	Arg	Arg	Gly	Gly	Arg	Gly	Arg	Pro	Arg	Gly	Gln	Pro	Pro	
	290					295					300					
Val	Pro	Pro	Lys	Pro	Ser	Ile	Arg	Pro	Arg	Pro	Gly	Ser	Leu	Arg	Ser	
305					310					315					320	
Lys	Pro	Glu	Pro	Pro	Ser	Glu	Asp	Leu	Gly	Ser	Leu	His	Pro	Gly	Ala	
				325					330					335		
Leu	Leu	Phe	Arg	Ala	Ser	Gly	His	Pro	Pro	Ser	Leu	Pro	Thr	Met	Ala	
			340					345					350			

Asp Ala Leu Ala His Gly Ala Asp Val Asn Trp Val Asn Gly Gly Gln
355 360 365

Asp Asn Ala Thr Pro Leu Ile Gln Ala Thr Ala Ala Asn Ser Leu Leu
370 375 380

Ala Cys Glu Phe Leu Leu Gln Asn Gly Ala Asn Val Asn Gln Ala Asp
385 390 395 400

Ser Ala Gly Arg Gly Pro Leu His His Ala Thr Ile Leu Gly His Thr
405 410 415

Gly Leu Ala Cys Leu Phe Leu Lys Arg Gly Ala Asp Leu Gly Ala Arg
420 425 430

Asp Ser Glu Gly Arg Asp Pro Leu Thr Ile Ala Met Glu Thr Ala Asn
435 440 445

Ala Asp Ile Val Thr Leu Leu Arg Leu Ala Lys Met Arg Glu Ala Glu
450 455 460

Ala Ala Gln Gly Gln Ala Gly Asp Glu Thr Tyr Leu Asp Ile Phe Arg
465 470 475 480

Asp Phe Ser Leu Met Ala Ser Asp Asp Pro Glu Lys Leu Ser Arg Arg
485 490 495

Ser His Asp Leu His Thr Leu
500

<210> 1844

<211> 25

<212> PRT

<213> Homo sapiens

<400> 1844

Met Ser Pro Ser Ile Arg Ile Leu Leu Val Leu Gln Gln Leu Gly Ser
1 5 10 15

Leu Met Ala Pro Leu Pro Ser Ala His
20 25

<210> 1845

<211> 25

<212> PRT

<213> Homo sapiens

<400> 1845

Met Ser Pro Ser Ile Arg Ile Leu Leu Val Leu Gln Gln Leu Gly Ser
 1 5 10 15

Leu Met Ala Pro Leu Pro Ser Ala His
 20 25

<210> 1846
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 1846
 Val Phe Gln Ile Tyr Leu
 1 5

<210> 1847
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 1847
 Val Phe Gln Ile Tyr Leu
 1 5

<210> 1848
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 1848
 Met Leu Val Leu Leu Leu Asp Phe Leu Gly Leu Val His Leu Gly Gln
 1 5 10 15

Leu Leu Ile Phe His Ile Tyr Leu Lys Ala Lys Lys Met Thr Thr Phe
 20 25 30

Glu Tyr Leu Ile Asn Asn Arg Lys Glu Glu Ser Ser Lys His Gln Ala
 35 40 45

Val Arg Lys Asp Pro Tyr Val Gln Met Asp Lys Gly Val Leu Gln Gln
 50 55 60

Gly Ala Gly Ala Leu Gly Ser Ser Ala Gln Gly Val Lys Ala Lys Ser
 65 70 75 80

Ser Leu Leu Ile His Lys His Leu Cys His Phe Cys Thr Ser Val Asn

	85		90		95
Gln Asp Gly Asp Ser Thr Ala Arg Val His Leu					
	100		105		
<210> 1849					
<211> 245					
<212> PRT					
<213> Homo sapiens					
<400> 1849					
Met Leu Gln Ala Arg Asn Gln Ser Pro Ser Ser Gln Arg Pro Leu Asp					
1	5		10		15
Val Leu Arg Arg Asn Gln Asp Pro Gln Ser Pro Ala Ser Ile Ser Val					
	20		25		30
Ile Ile Phe Ile Thr Pro Lys Glu Glu Pro Ala Leu Gln Glu Gly Leu					
	35		40		45
His Leu Gln Glu Asp Gly Leu Pro Ala Thr Ala Glu Asp Ala Ala Thr					
	50		55		60
Cys Leu Thr Val Leu Ser Ser Gln Pro Ala Ser Cys Arg Ala Ser Cys					
	65		70		75
Cys Leu Arg Ala Asp Gly Pro Gly Met Leu Ala His Thr Cys Glu His					
		85	90		95
Ser Thr Gly Lys Trp Glu His Ser Thr Arg Lys Trp Glu His Ser Thr					
	100		105		110
Gly Lys Trp Glu His Ser Thr Gly Lys Trp Gly Leu Thr Ala Leu Gln					
	115		120		125
Asn Gly Ser Thr Val Leu Gly Asn Gly Ser Thr Val Leu Gly Ser Gly					
	130		135		140
Ser Thr Val Leu Arg Ser Gly Ser Thr Val Leu Arg Asn Gly Ser Thr					
	145		150		155
Leu Leu Arg Asn Gly Ser Thr Val Leu Gly Asn Gly His Thr Val Leu					
		165	170		175
Gly Asn Gly His Thr Val Leu Arg Asn Gly Ser Thr Val Leu Gly Asn					
	180		185		190
Gly Ser Thr Val Leu Gly Asn Gly Ser Pro Gln Tyr Trp Glu Arg Gly					
	195		200		205

Val His Ser Thr Arg Lys Trp Glu His Ser Thr Gly Lys Trp Glu His
 210 215 220

Ser Thr Gly Lys Trp Glu His Ser Thr Gly Lys Pro Gln Thr Trp Ile
 225 230 235 240

Leu Ser Phe Ser Ala
 245

<210> 1850
 <211> 209
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (136)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (161)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (169)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (197)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1850
 Met Ala Met Gly Leu Phe Arg Val Cys Leu Val Val Val Thr Ala Ile
 1 5 10 15

Ile Asn His Pro Leu Leu Phe Pro Arg Glu Asn Ala Thr Val Pro Glu
 20 25 30

Asn Glu Glu Glu Ile Ile Arg Lys Met Gln Ala His Gln Glu Lys Leu
 35 40 45

Gln Leu Glu Gln Leu Arg Leu Glu Glu Glu Val Ala Arg Leu Ala Ala
 50 55 60

Glu Lys Glu Ala Leu Glu Gln Val Ala Glu Gly Arg Gln Gln Asn
 65 70 75 80

Glu	Thr	Arg	Val	Ala	Trp	Asp	Leu	Trp	Ser	Thr	Leu	Cys	Met	Ile	Leu
				85					90					95	
Phe	Leu	Met	Ile	Glu	Val	Trp	Arg	Gln	Asp	His	Gln	Glu	Gly	Pro	Ser
			100					105					110		
Pro	Glu	Cys	Leu	Gly	Gly	Glu	Glu	Asp	Glu	Leu	Pro	Gly	Trp	Gly	Ala
		115					120					125			
Pro	Pro	Cys	Arg	Ala	Ser	Pro	Xaa	Pro	Thr	Arg	His	Ala	Cys	His	Phe
	130					135					140				
Tyr	Glu	Arg	Cys	Ile	Arg	Gly	Ala	Thr	Ala	Asp	Ala	Ala	Arg	Thr	Arg
145					150					155					160
Xaa	Phe	Leu	Glu	Gly	Phe	Val	Asp	Xaa	Leu	Leu	Glu	Ala	Leu	Arg	Ser
				165					170					175	
Leu	Cys	Asn	Arg	Asp	Thr	Asp	Met	Glu	Val	Glu	Asp	Phe	Ile	Gly	Val
			180					185					190		
Asp	Ser	Met	Tyr	Xaa	Asn	Trp	Gln	Val	Asp	Arg	Pro	Leu	Leu	Cys	His
		195					200					205			

Leu

<210> 1851
 <211> 547
 <212> PRT
 <213> Homo sapiens

<400> 1851															
Met	Ala	Met	Gly	Leu	Phe	Arg	Val	Cys	Leu	Val	Val	Val	Thr	Ala	Ile
1				5					10					15	
Ile	Asn	His	Pro	Leu	Leu	Phe	Pro	Arg	Glu	Asn	Ala	Thr	Val	Pro	Glu
			20					25					30		
Asn	Glu	Glu	Glu	Ile	Ile	Arg	Lys	Met	Gln	Ala	His	Gln	Glu	Lys	Leu
		35					40					45			
Gln	Leu	Glu	Gln	Leu	Arg	Leu	Glu	Glu	Glu	Val	Ala	Arg	Leu	Ala	Ala
	50					55					60				
Glu	Lys	Glu	Ala	Leu	Glu	Gln	Val	Ala	Glu	Glu	Gly	Arg	Gln	Gln	Asn
65					70					75					80
Glu	Thr	Arg	Val	Ala	Trp	Asp	Leu	Trp	Ser	Thr	Leu	Cys	Met	Ile	Leu
				85					90					95	

Phe Leu Met Ile Glu Val Trp Arg Gln Asp His Gln Glu Gly Pro Ser
100 105 110
Pro Glu Cys Leu Gly Gly Glu Glu Asp Glu Leu Pro Gly Leu Gly Gly
115 120 125
Ala Pro Leu Gln Gly Leu Thr Leu Pro Asn Lys Ala Thr Leu Gly His
130 135 140
Phe Tyr Glu Arg Cys Ile Arg Gly Ala Thr Ala Asp Ala Ala Arg Thr
145 150 155 160
Arg Glu Phe Leu Glu Gly Phe Val Asp Asp Leu Leu Glu Ala Leu Arg
165 170 175
Ser Leu Cys Asn Arg Asp Thr Asp Met Glu Val Glu Asp Phe Ile Gly
180 185 190
Val Asp Ser Met Tyr Glu Asn Trp Gln Val Asp Arg Pro Leu Leu Cys
195 200 205
His Leu Phe Val Pro Phe Thr Pro Pro Glu Pro Tyr Arg Phe His Pro
210 215 220
Glu Leu Trp Cys Ser Gly Arg Ser Val Pro Leu Asp Arg Gln Gly Tyr
225 230 235 240
Gly Gln Ile Lys Val Val Arg Ala Asp Gly Asp Thr Leu Ser Cys Ile
245 250 255
Cys Gly Lys Thr Lys Leu Gly Glu Asp Met Leu Cys Leu Leu His Gly
260 265 270
Arg Asn Ser Met Ala Pro Pro Cys Gly Asp Met Glu Asn Leu Leu Cys
275 280 285
Ala Thr Asp Ser Leu Tyr Leu Asp Thr Met Gln Val Met Lys Trp Phe
290 295 300
Gln Thr Ala Leu Thr Arg Ala Trp Lys Gly Ile Ala His Lys Tyr Glu
305 310 315 320
Phe Asp Leu Ala Phe Gly Gln Leu Asp Ser Pro Gly Ser Leu Lys Ile
325 330 335
Lys Phe Arg Ser Gly Lys Phe Met Pro Phe Asn Leu Ile Pro Val Ile
340 345 350
Gln Cys Asp Asp Ser Asp Leu Tyr Phe Val Ser His Leu Pro Arg Glu
355 360 365

Pro Ser Glu Gly Thr Pro Ala Ser Ser Thr Asp Trp Leu Leu Ser Phe
 370 375 380
 Ala Val Tyr Glu Arg His Phe Leu Arg Thr Thr Leu Lys Ala Leu Pro
 385 390 395 400
 Glu Gly Ala Cys His Leu Ser Cys Leu Gln Ile Ala Ser Phe Leu Leu
 405 410 415
 Ser Lys Gln Ser Arg Leu Thr Gly Pro Ser Gly Leu Ser Ser Tyr His
 420 425 430
 Leu Lys Thr Ala Leu Leu His Leu Leu Leu Leu Arg Gln Ala Ala Asp
 435 440 445
 Trp Lys Ala Gly Gln Leu Asp Ala Arg Leu His Glu Leu Leu Cys Phe
 450 455 460
 Leu Glu Lys Ser Leu Leu Gln Lys Lys Leu His His Phe Phe Ile Gly
 465 470 475 480
 Asn Arg Lys Val Pro Glu Ala Met Gly Leu Pro Glu Ala Val Leu Arg
 485 490 495
 Ala Glu Pro Leu Asn Leu Phe Arg Pro Phe Val Leu Gln Arg Ser Leu
 500 505 510
 Tyr Arg Lys Thr Leu Asp Ser Phe Tyr Glu Met Leu Lys Asn Ala Pro
 515 520 525
 Ala Leu Ile Ser Glu Tyr Ser Leu His Val Pro Ser Asp Gln Pro Thr
 530 535 540
 Pro Lys Ser
 545

<210> 1852

<211> 213

<212> PRT

<213> Homo sapiens

<400> 1852

Leu Leu Phe Leu Ser Leu Leu Gln Met Gln Glu Leu Leu Gly Arg Gly
 1 5 10 15
 Ala Trp Ala Pro Gly Cys Gly Arg Arg Pro Ser Gly Trp Gly Gln Leu
 20 25 30
 Ala Cys Pro Asp Pro Leu Leu Pro Pro His Asn Pro Lys Ser Pro Gln
 35 40 45

Pro Gly Pro Ser Thr Ser Gly Val Trp Gly Glu Glu Gln Gly Leu Arg
 50 55 60
 Thr Leu Ser Ser Glu His Pro Trp Gln Gly Leu Gln Pro Leu Ile Ser
 65 70 75 80
 Ser Leu Lys Pro Cys Gly His Thr Ala Arg Arg Asp Leu Pro Leu Ala
 85 90 95
 Pro Ala Ser Phe Gln Pro Arg Val Leu Ile Gln Gly Pro Arg Thr Val
 100 105 110
 Pro Pro Val Leu Leu Cys Pro Gln His Lys Ala Arg Leu His Ser Gln
 115 120 125
 Lys Cys Ser Gln Ala Leu Glu Gly Asp Pro Ala Ser Ser Pro Thr Ala
 130 135 140
 Pro His Pro Thr His Pro Ser Ala Ala Pro Leu Leu Phe Pro Arg Asp
 145 150 155 160
 Leu Ser Tyr Thr Gly Gln Glu Ala Ala Glu Arg Val Ser Pro Pro Pro
 165 170 175
 Ser Lys Arg Ser Cys Ser Leu Cys Gln Asn Arg Val Trp Ala Gly Gly
 180 185 190
 Arg Ala Leu Gly Ala Arg Pro Leu Pro Leu Pro Ala Gly Phe Ser Trp
 195 200 205
 Ser Leu Cys Trp Lys
 210

<210> 1853

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1853

Met Gly Met Gly Arg Gly Ala Gly Arg Ser Ala Leu Gly Phe Trp Pro
1 5 10 15

Thr Leu Ala Phe Leu Leu Cys Ser Phe Pro Ala Ala Thr Ser Pro Cys
20 25 30

Lys Ile Leu Lys Cys Asn Ser Glu Phe Trp Ser Ala Thr Ser Gly Ser
35 40 45

His Ala Pro Ala Ser Asp Asp Thr Pro Glu Phe Cys Ala Ala Leu Arg
50 55 60

Ser Tyr Ala Leu Cys Thr Arg Arg Thr Ala Arg Thr Cys Arg Gly Asp
65 70 75 80

Leu Ala Tyr His Ser Ala Val His Gly Ile Xaa Asp Leu Met Ser Gln
85 90 95

His Asn Cys Ser Lys Asp Gly Pro Thr Ser Gln Pro Arg Leu Arg Thr
100 105 110

Leu Pro Pro Ala Glu Thr Ala Arg Ser Ala Arg Thr Ala Pro Arg Ser
115 120 125

Ala Ile Thr Arg Arg Ala Phe Thr Ser Thr Arg Xaa Pro Pro Thr Thr
130 135 140

Arg Thr Val Ala Ser Ser Gly Thr His Thr Phe Arg Thr Phe Thr Asp
145 150 155 160

Arg Phe Gln Thr Cys Lys Val Gln Xaa Arg Leu Ala Ala His Arg Gln
165 170 175

Leu Ile Thr

<210> 1854

<211> 357

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (325)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (329)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (335)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (338)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (339)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1854
 Met Gly Met Gly Arg Gly Ala Gly Arg Ser Ala Leu Gly Phe Trp Pro
 1 5 10 15

Thr Leu Ala Phe Leu Leu Cys Ser Phe Pro Ala Ala Thr Ser Pro Cys
 20 25 30

Lys Ile Leu Lys Cys Asn Ser Glu Phe Trp Ser Ala Thr Ser Gly Ser
 35 40 45

His Ala Pro Ala Ser Asp Asp Thr Pro Glu Phe Cys Ala Ala Leu Arg
 50 55 60

Ser Tyr Ala Leu Cys Thr Arg Arg Thr Ala Arg Thr Cys Arg Gly Asp
 65 70 75 80

Leu Ala Tyr His Ser Ala Val His Gly Ile Glu Asp Leu Met Ser Gln
 85 90 95

His Asn Cys Ser Lys Asp Gly Pro Thr Ser Gln Pro Arg Leu Arg Thr
 100 105 110

Leu Pro Pro Ala Gly Asp Ser Gln Glu Arg Ser Asp Ser Pro Glu Ile
 115 120 125

Cys His Tyr Glu Lys Ser Phe His Lys His Ser Xaa Thr Pro Asn Tyr

130		135		140													
Thr	His	Cys	Gly	Leu	Phe	Gly	Asp	Pro	His	Leu	Arg	Thr	Phe	Thr	Asp		
145					150					155					160		
Arg	Phe	Gln	Thr	Cys	Lys	Val	Gln	Gly	Ala	Trp	Pro	Leu	Ile	Asp	Asn		
				165					170					175			
Asn	Tyr	Leu	Asn	Val	Gln	Val	Thr	Asn	Thr	Pro	Val	Leu	Pro	Gly	Ser		
			180					185					190				
Ala	Ala	Thr	Ala	Thr	Ser	Lys	Leu	Thr	Ile	Ile	Phe	Lys	Asn	Phe	Gln		
		195					200					205					
Glu	Cys	Val	Asp	Gln	Lys	Val	Tyr	Gln	Ala	Glu	Met	Asp	Glu	Leu	Pro		
	210					215					220						
Ala	Ala	Phe	Val	Asp	Gly	Ser	Lys	Asn	Gly	Gly	Asp	Lys	His	Gly	Ala		
225					230					235					240		
Asn	Ser	Leu	Lys	Ile	Thr	Glu	Lys	Val	Ser	Gly	Gln	His	Val	Glu	Ile		
				245					250					255			
Gln	Ala	Lys	Tyr	Ile	Gly	Thr	Thr	Ile	Val	Val	Arg	Gln	Val	Gly	Arg		
			260					265					270				
Tyr	Leu	Thr	Phe	Ala	Val	Arg	Met	Pro	Glu	Glu	Val	Val	Asn	Ala	Val		
		275					280					285					
Glu	Asp	Trp	Asp	Ser	Gln	Gly	Leu	Tyr	Leu	Cys	Leu	Arg	Gly	Cys	Pro		
	290					295					300						
Leu	Asn	Gln	Gln	Ile	Asp	Phe	Gln	Ala	Phe	His	Thr	Asn	Ala	Glu	Gly		
305					310					315					320		
Thr	Gly	Ala	Arg	Xaa	Leu	Ala	Ala	Xaa	Ser	Leu	Asp	Pro	Gln	Xaa	Pro		
				325					330					335			
Arg	Xaa	Xaa	His	Thr	Arg	Gln	Ala	Val	Ala	Lys	Cys	Lys	Glu	Lys	Leu		
			340					345					350				
Pro	Val	Glu	Asp	Leu													
			355														

<210> 1855

<211> 434

<212> PRT

<213> Homo sapiens

<400> 1855

Met	Gly	Met	Gly	Arg	Gly	Ala	Gly	Arg	Ser	Ala	Leu	Gly	Phe	Trp	Pro	1	5	10	15
Thr	Leu	Ala	Phe	Leu	Leu	Cys	Ser	Phe	Pro	Ala	Ala	Thr	Ser	Pro	Cys	20	25	30	
Lys	Ile	Leu	Lys	Cys	Asn	Ser	Glu	Phe	Trp	Ser	Ala	Thr	Ser	Gly	Ser	35	40	45	
His	Ala	Pro	Ala	Ser	Asp	Asp	Thr	Pro	Glu	Phe	Cys	Ala	Ala	Leu	Arg	50	55	60	
Ser	Tyr	Ala	Leu	Cys	Thr	Arg	Arg	Thr	Ala	Arg	Thr	Cys	Arg	Gly	Asp	65	70	75	80
Leu	Ala	Tyr	His	Ser	Ala	Val	His	Gly	Ile	Glu	Asp	Leu	Met	Ser	Gln	85	90	95	
His	Asn	Cys	Ser	Lys	Asp	Gly	Pro	Thr	Ser	Gln	Pro	Arg	Leu	Arg	Thr	100	105	110	
Leu	Pro	Pro	Ala	Gly	Asp	Ser	Gln	Glu	Arg	Ser	Asp	Ser	Pro	Glu	Ile	115	120	125	
Cys	His	Tyr	Glu	Lys	Ser	Phe	His	Lys	His	Ser	Ala	Thr	Pro	Asn	Tyr	130	135	140	
Thr	His	Cys	Gly	Leu	Phe	Gly	Asp	Pro	His	Leu	Arg	Thr	Phe	Thr	Asp	145	150	155	160
Arg	Phe	Gln	Thr	Cys	Lys	Val	Gln	Gly	Ala	Trp	Pro	Leu	Ile	Asp	Asn	165	170	175	
Asn	Tyr	Leu	Asn	Val	Gln	Val	Thr	Asn	Thr	Pro	Val	Leu	Pro	Gly	Ser	180	185	190	
Ala	Ala	Thr	Ala	Thr	Ser	Lys	Leu	Thr	Ile	Ile	Phe	Lys	Asn	Phe	Gln	195	200	205	
Glu	Cys	Val	Asp	Gln	Lys	Val	Tyr	Gln	Ala	Glu	Met	Asp	Glu	Leu	Pro	210	215	220	
Ala	Ala	Phe	Val	Asp	Gly	Ser	Lys	Asn	Gly	Gly	Asp	Lys	His	Gly	Ala	225	230	235	240
Asn	Ser	Leu	Lys	Ile	Thr	Glu	Lys	Val	Ser	Gly	Gln	His	Val	Glu	Ile	245	250	255	
Gln	Ala	Lys	Tyr	Ile	Gly	Thr	Thr	Ile	Val	Val	Arg	Gln	Val	Gly	Arg	260	265	270	
Tyr	Leu	Thr	Phe	Ala	Val	Arg	Met	Pro	Glu	Glu	Val	Val	Asn	Ala	Val				

275								280								285
Glu	Asp	Trp	Asp	Ser	Gln	Gly	Leu	Tyr	Leu	Cys	Leu	Arg	Gly	Cys	Pro	
290						295					300					
Leu	Asn	Gln	Gln	Ile	Asp	Phe	Gln	Ala	Phe	His	Thr	Asn	Ala	Glu	Gly	
305					310					315				320		
Thr	Gly	Ala	Arg	Arg	Leu	Ala	Ala	Ala	Ser	Pro	Ala	Pro	Thr	Ala	Pro	
				325					330					335		
Glu	Thr	Phe	Pro	Tyr	Glu	Thr	Ala	Val	Ala	Lys	Cys	Lys	Glu	Lys	Leu	
			340					345					350			
Pro	Val	Glu	Asp	Leu	Tyr	Tyr	Gln	Ala	Cys	Val	Phe	Asp	Leu	Leu	Thr	
		355					360					365				
Thr	Gly	Asp	Val	Asn	Phe	Thr	Leu	Ala	Ala	Tyr	Tyr	Ala	Leu	Glu	Asp	
	370					375					380					
Val	Lys	Met	Leu	His	Ser	Asn	Lys	Asp	Lys	Leu	His	Leu	Tyr	Glu	Arg	
385					390					395					400	
Thr	Arg	Asp	Leu	Pro	Gly	Arg	Ala	Ala	Ala	Gly	Leu	Pro	Leu	Ala	Pro	
				405					410					415		
Arg	Pro	Leu	Leu	Gly	Ala	Leu	Val	Pro	Leu	Leu	Ala	Leu	Leu	Pro	Val	
			420					425					430			

Phe Cys

<210> 1856

<211> 712

<212> PRT

<213> Homo sapiens

<400> 1856

Met	Gly	Gln	Gly	Leu	Lys	Ala	Trp	Pro	Arg	Tyr	Arg	Val	Val	Gly	Ser	
1				5					10					15		
Ala	Asp	Ala	Gly	Gln	Tyr	Asn	Leu	Glu	Ile	Thr	Asp	Ala	Glu	Leu	Ser	
			20					25					30			
Asp	Asp	Ala	Ser	Tyr	Glu	Cys	Gln	Ala	Thr	Glu	Ala	Ala	Leu	Arg	Ser	
		35					40					45				
Arg	Arg	Ala	Lys	Leu	Thr	Val	Leu	Ile	Pro	Pro	Glu	Asp	Thr	Arg	Ile	
	50						55				60					

Asp	Gly	Gly	Pro	Val	Ile	Leu	Leu	Gln	Ala	Gly	Thr	Pro	His	Asn	Leu	65	70	75	80
Thr	Cys	Arg	Ala	Phe	Asn	Ala	Lys	Pro	Ala	Ala	Thr	Ile	Ile	Trp	Phe	85	90	95	
Arg	Asp	Gly	Thr	Gln	Gln	Glu	Gly	Ala	Val	Ala	Ser	Thr	Glu	Leu	Leu	100	105	110	
Lys	Asp	Gly	Lys	Arg	Glu	Thr	Thr	Val	Ser	Gln	Leu	Leu	Ile	Asn	Pro	115	120	125	
Thr	Asp	Leu	Asp	Ile	Gly	Arg	Val	Phe	Thr	Cys	Arg	Ser	Met	Asn	Glu	130	135	140	
Ala	Ile	Pro	Ser	Gly	Lys	Glu	Thr	Ser	Ile	Glu	Leu	Asp	Val	His	His	145	150	155	160
Pro	Pro	Thr	Val	Thr	Leu	Ser	Ile	Glu	Pro	Gln	Thr	Val	Gln	Glu	Gly	165	170	175	
Glu	Arg	Val	Val	Phe	Thr	Cys	Gln	Ala	Thr	Ala	Asn	Pro	Glu	Ile	Leu	180	185	190	
Gly	Tyr	Arg	Trp	Ala	Lys	Gly	Gly	Phe	Leu	Ile	Glu	Asp	Ala	His	Glu	195	200	205	
Ser	Arg	Tyr	Glu	Thr	Asn	Val	Asp	Tyr	Ser	Phe	Phe	Thr	Glu	Pro	Val	210	215	220	
Ser	Cys	Glu	Val	His	Asn	Lys	Val	Gly	Ser	Thr	Asn	Val	Ser	Thr	Leu	225	230	235	240
Val	Asn	Val	His	Phe	Ala	Pro	Arg	Ile	Val	Val	Asp	Pro	Lys	Pro	Thr	245	250	255	
Thr	Thr	Asp	Ile	Gly	Ser	Asp	Val	Thr	Leu	Thr	Cys	Val	Trp	Val	Gly	260	265	270	
Asn	Pro	Pro	Leu	Thr	Leu	Thr	Trp	Thr	Lys	Lys	Asp	Ser	Asn	Met	Gly	275	280	285	
Pro	Arg	Pro	Pro	Gly	Ser	Pro	Pro	Glu	Ala	Ala	Leu	Ser	Ala	Gln	Val	290	295	300	
Leu	Ser	Asn	Ser	Asn	Gln	Leu	Leu	Leu	Lys	Ser	Val	Thr	Gln	Ala	Asp	305	310	315	320
Ala	Gly	Thr	Tyr	Thr	Cys	Arg	Ala	Ile	Val	Pro	Arg	Ile	Gly	Val	Ala	325	330	335	
Glu	Arg	Glu	Val	Pro	Leu	Tyr	Val	Asn	Gly	Pro	Pro	Ile	Ile	Ser	Ser				

Pro Ala Ala Pro Ala Gly Thr Asp Thr Thr Ser Gln Leu Ser Tyr Glu
 625 630 635 640
 Asn Tyr Glu Lys Phe Asn Ser His Pro Phe Pro Gly Ala Ala Gly Tyr
 645 650 655
 Pro Thr Tyr Arg Leu Gly Tyr Pro Gln Ala Pro Pro Ser Gly Leu Glu
 660 665 670
 Arg Thr Pro Tyr Glu Ala Tyr Asp Pro Ile Gly Lys Tyr Ala Thr Ala
 675 680 685
 Thr Arg Phe Ser Tyr Thr Ser Gln His Ser Asp Tyr Gly Gln Arg Phe
 690 695 700
 Gln Gln Arg Met Gln Thr His Val
 705 710

<210> 1857
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1857
 Met Thr Ala Leu Met Ala Leu Val Met His Arg Leu Ala Leu Tyr Val
 1 5 10 15
 Cys Val Leu Ser Thr Thr Ala Ala Leu Arg Gly Arg Asp Glu Ala Leu
 20 25 30
 Gly Gly Glu Ala Ala Cys Leu Val Val Phe Trp Gly Pro His Ser His
 35 40 45
 Asp Ile Glu Arg Gln Gly Gln Glu Gly Thr Gly Leu Asp Leu Arg Leu
 50 55 60
 Ala Pro Gln Cys Ala Lys Asp Ser Val Thr Val Ser Arg Ser Cys Ser
 65 70 75 80
 Val

<210> 1858
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1858

Met Thr Ala Leu Met Ala Leu Val Met His Arg Leu Ala Leu Tyr Val
1 5 10 15

Cys Val Leu Ser Thr Thr Ala Ala Leu Arg Gly Arg Asp Glu Ala Leu
20 25 30

Gly Gly Glu Ala Ala Cys Leu Val Val Phe Trp Gly Pro His Ser His
35 40 45

Asp Ile Glu Arg Gln Gly Gln Glu Gly Thr Gly Leu Asp Leu Arg Leu
50 55 60

Ala Pro Gln Cys Ala Lys Asp Ser Val Thr Val Ser Arg Ser Cys Ser
65 70 75 80

Val

<210> 1859

<211> 104

<212> PRT

<213> Homo sapiens

<400> 1859

Met Tyr Trp Gly Ile Phe Phe Ser Ile Leu Asn Phe Leu Ala Phe Phe
1 5 10 15

Ser Leu Val Leu Ile Ser Val Leu Leu Trp Thr Gly Met Val Val Phe
20 25 30

Arg Ser Leu Asp Pro Gly Ala Glu Leu Val Gly Phe Glu Ser His Leu
35 40 45

Tyr His Cys Cys Val Thr Ser Gly Asn Leu Pro Asn Phe Pro Gly Pro
50 55 60

Gln Phe Ser Tyr Ile Glu Asn Gly Asn Asn Lys Ser Ile Cys Phe Ile
65 70 75 80

Gly Leu Leu Arg Glu Phe Ala Asn Ser Ile Tyr Ala Asn Leu Leu Asp
85 90 95

Gln Cys Leu Ala His Asn Ser Gln
100

<210> 1860

<211> 104

<212> PRT
<213> Homo sapiens

<400> 1860

Met	Tyr	Trp	Gly	Ile	Phe	Phe	Ser	Ile	Leu	Asn	Phe	Leu	Ala	Phe	Phe
1				5					10					15	
Ser	Leu	Val	Leu	Ile	Ser	Val	Leu	Leu	Trp	Thr	Gly	Met	Val	Val	Phe
			20					25					30		
Arg	Ser	Leu	Asp	Pro	Gly	Ala	Glu	Leu	Val	Gly	Phe	Glu	Ser	His	Leu
		35					40					45			
Tyr	His	Cys	Cys	Val	Thr	Ser	Gly	Asn	Leu	Pro	Asn	Phe	Pro	Gly	Pro
	50					55					60				
Gln	Phe	Ser	Tyr	Ile	Glu	Asn	Gly	Asn	Asn	Lys	Ser	Ile	Cys	Phe	Ile
65					70					75					80
Gly	Leu	Leu	Arg	Glu	Phe	Ala	Asn	Ser	Ile	Tyr	Ala	Asn	Leu	Leu	Asp
				85					90					95	
Gln	Cys	Leu	Ala	His	Asn	Ser	Gln								
			100												

<210> 1861
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1861

Met	Ala	Ser	Tyr	Lys	Thr	Leu	Lys	Met	Leu	Phe	Ser	Cys	Leu	Leu	Thr
1				5					10					15	
Cys	Ser	Val	Ser	Asn	Glu	Xaa	Tyr	Ala	Val	Ile	Phe	Asn	Phe	Phe	Pro

	20		25		30
Leu	Tyr	Ile	Xaa	Phe	Leu
	35		40		45
Leu	Val	Leu	Ser	Asn	Leu
	50		55		60
Ile	Phe	Phe	Val	Leu	Asp
	65		70		75

<210> 1862

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1862

Xaa	Tyr	Thr	Phe	Val	Asn	Ser	Arg	Ser	Xaa	Xaa	Leu	Ile	Asp	Phe	Leu
1				5					10					15	

Cys	Val	Ile	Met	Gly	His	Leu	Phe	Leu	Val	His	Phe	Met	Pro	Asp	Ile
			20					25					30		

Leu	Lys	Phe	Lys	Thr	Lys	Tyr	Cys	Glu	Phe	Tyr	Leu	Val	Leu	Cys	Trp
		35					40					45			

Ile	Phe	Phe	Val	Phe	Leu	Ser	Thr	Ile	Met	Ser	Phe	Leu	Leu	Gly	Cys
	50					55					60				

Ser	Tyr	Ser	His	Trp	Lys	Gln	Phe
65					70		

<210> 1863

<211> 75
<212> PRT
<213> Homo sapiens

<400> 1863

Met	Ala	Ser	Tyr	Lys	Thr	Leu	Lys	Met	Leu	Phe	Ser	Cys	Leu	Leu	Thr
1				5					10					15	
Cys	Ser	Val	Ser	Asn	Glu	Gln	Tyr	Ala	Val	Ile	Phe	Asn	Phe	Phe	Pro
			20					25					30		
Leu	Tyr	Ile	Cys	Phe	Leu	Ser	Asp	Cys	Phe	Lys	Cys	Phe	Ser	Leu	Ser
		35					40					45			
Leu	Val	Leu	Ser	Asn	Leu	Ile	Ile	Ile	Tyr	Leu	Gly	Val	Ile	Phe	Phe
	50					55					60				
Ile	Phe	Phe	Val	Leu	Asp	Ile	His	Arg	Ser	Ser					
	65					70				75					

<210> 1864
<211> 63
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1864

Met	Arg	Leu	Cys	Gln	Arg	Pro	Gly	Leu	Val	Leu	Ala	Leu	Pro	Pro	Gln
1				5					10					15	
Leu	Ser	Phe	Ser	Thr	Ala	Arg	Gly	Gly	Asp	Ser	Arg	Met	Leu	Gly	Leu
			20					25					30		
Pro	Leu	Gly	Arg	Xaa	Thr	Ser	Gly	Lys	Val	Gln	Gly	Asp	Ser	Thr	Thr
		35					40					45			
Val	Lys	Leu	Arg	Phe	Gly	Leu	Gln	Leu	Gly	Val	Leu	Gly	Gln	Arg	
	50					55					60				

<210> 1865
<211> 157
<212> PRT
<213> Homo sapiens

<400> 1865

Gly Gln Arg Gly Arg Pro Ala Ala Thr Ser His Arg Ile Leu Ser Ser
1 5 10 15

His Ser Leu Ala Ser Gly Cys Pro Val Phe Arg Gly Gly Glu Gly Thr
20 25 30

Gly Ala Arg Ser Thr Pro Leu Ala Leu Leu Leu Asp Pro Lys Ala Arg
35 40 45

Pro Asp Pro Phe Ile Pro Trp Gly Ala Pro Ala Ser Ala Ile Gly Met
50 55 60

Arg Ser Leu Lys Ser Leu His Lys Gln Val Arg Asp Pro Pro Thr Cys
65 70 75 80

Arg Ser Trp Ala Thr Pro Arg Ala Ile Pro Arg Gly Cys Gly Arg Thr
85 90 95

Gln Pro Pro Thr Asp Arg Arg Pro Glu Ser Ser Glu Gly Ala Ile Pro
100 105 110

Ile Pro Thr Ser Gly Glu Ala Arg Thr Ala Ile Val Ala Ser Gly Lys
115 120 125

Thr Gln Leu Glu Pro Asn Gly Pro Cys Pro His Cys Asn Cys Ala Glu
130 135 140

Asn Val Ser Gln Met Thr Gln Ile Gly Ser Tyr Phe Phe
145 150 155

<210> 1866

<211> 47

<212> PRT

<213> Homo sapiens

<400> 1866

Met Arg Leu Cys Gln Arg Pro Gly Leu Val Leu Ala Leu Pro Pro Gln
1 5 10 15

Leu Ser Phe Ser Thr Ala Arg Gly Gly Asp Ser Arg Met Leu Gly Leu
20 25 30

Pro Leu Gly Arg Gly Thr Leu Glu Gly Gln Gly Asp Pro Gln Leu
35 40 45

<210> 1867

<211> 89

<212> PRT
<213> Homo sapiens

<400> 1867

Met	Leu	Ser	Trp	Leu	Leu	His	Phe	Tyr	Phe	Leu	Thr	Leu	Ile	Leu	Met	
1				5					10					15		
Asn	Lys	Ala	Ser	Leu	Met	Asn	Gln	Leu	Lys	Ser	Cys	Lys	Asn	Val	Phe	
			20					25					30			
Lys	Met	Cys	Ala	Phe	Tyr	Tyr	Leu	Ser	Val	Tyr	Val	Leu	Gly	Glu	Met	
		35					40					45				
Gly	Ser	Asn	Arg	Ser	Leu	Cys	Pro	Asp	Val	Gln	Asp	Ala	Cys	Tyr	His	
	50					55					60					
Thr	His	Lys	Cys	Leu	Ile	Leu	Val	Phe	Met	Trp	Pro	Leu	Ser	Pro	Val	
	65				70					75					80	
Asp	Phe	Pro	Leu	Met	Cys	Phe	Leu	Leu								
				85												

<210> 1868

<211> 89

<212> PRT

<213> Homo sapiens

<400> 1868

Met	Leu	Ser	Trp	Leu	Leu	His	Phe	Tyr	Phe	Leu	Thr	Leu	Ile	Leu	Met	
1				5					10					15		
Asn	Lys	Ala	Ser	Leu	Met	Asn	Gln	Leu	Lys	Ser	Cys	Lys	Asn	Val	Phe	
			20					25					30			
Lys	Met	Cys	Ala	Phe	Tyr	Tyr	Leu	Ser	Val	Tyr	Val	Leu	Gly	Glu	Met	
		35					40					45				
Gly	Ser	Asn	Arg	Ser	Leu	Cys	Pro	Asp	Val	Gln	Asp	Ala	Cys	Tyr	His	
	50					55					60					
Thr	His	Lys	Cys	Leu	Ile	Leu	Val	Phe	Met	Trp	Pro	Leu	Ser	Pro	Val	
	65				70					75					80	
Asp	Phe	Pro	Leu	Met	Cys	Phe	Leu	Leu								
				85												

<210> 1869

<211> 93

<212> PRT
<213> Homo sapiens

<400> 1869

Met	Leu	Ile	Ser	Lys	Gly	Val	Gln	Leu	Leu	Cys	Lys	Ala	Val	Tyr	Pro
1				5				10						15	
Ser	His	Leu	Trp	Ser	Phe	Leu	Val	Leu	Leu	Phe	Thr	Val	Met	Lys	Thr
			20					25					30		
Glu	Pro	Val	Ser	Ala	Leu	Gly	Cys	Gly	Asp	Gln	Cys	His	Gln	Ser	Leu
		35					40					45			
Leu	Leu	Arg	Asp	Tyr	Pro	Leu	Ala	Asn	Ile	Pro	Ile	Cys	Gly	Trp	Ala
	50					55					60				
Trp	Arg	Val	Tyr	Leu	Phe	Leu	Gly	Cys	Val	Cys	Ile	Cys	Val	Cys	Val
65					70					75					80
Cys	Val	Cys	Val	Phe	Asn	Ser	Ser	Val	Cys	Lys	Leu	Phe			
				85					90						

<210> 1870
<211> 304
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (166)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (231)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1870

Met	Ser	Ser	Ser	Glu	Met	Trp	Thr	Val	Leu	Trp	His	Arg	Phe	Ser	Met
1				5					10					15	
Val	Leu	Arg	Leu	Pro	Glu	Glu	Ala	Ser	Ala	Gln	Glu	Gly	Glu	Leu	Ser
			20					25					30		
Leu	Ser	Ser	Pro	Pro	Ser	Pro	Glu	Pro	Asp	Trp	Thr	Leu	Ile	Ser	Pro

<210> 1871
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1871
 Met Ala Val Met Cys Val Ala Gly Leu Phe Phe Ile Pro Val Ala Gly
 1 5 10 15
 Leu Thr Gly Phe His Val Val Leu Val Ala Arg Gly Arg Thr Thr Asn
 20 25 30
 Glu Gln Val Thr Gly Lys Phe Arg Gly Gly Val Asn Pro Phe Thr Asn
 35 40 45
 Gly Cys Cys Asn Asn Xaa Ser Arg Val Leu Cys Ser Ser Pro Ala Pro
 50 55 60
 Arg Tyr Leu Gly Arg Pro Xaa Lys Glu Lys Thr Ile Val Ile Arg Pro
 65 70 75 80
 Pro Phe Leu Arg Pro Arg Ser Phe Xaa Trp Ala
 85 90

<210> 1872
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 1872
 Met Ala Val Met Cys Val Ala Gly Leu Phe Phe Ile Pro Val Ala Gly
 1 5 10 15

Leu Thr Gly Phe His Val Val Leu Val Ala Arg Gly Arg Thr Thr Asn
 20 25 30
 Glu Gln Val Thr Gly Lys Phe Arg Gly Gly Val Asn Pro Phe Thr Asn
 35 40 45
 Gly Cys Cys Asn Asn Val Ser Arg Val Leu Cys Ser Ser Pro Ala Pro
 50 55 60
 Arg Tyr Leu Gly Arg Pro Lys Lys Glu Lys Thr Ile Val Ile Arg Pro
 65 70 75 80
 Pro Phe Leu Arg Pro Glu Val Ser Asp Gly Gln Ile Thr Val Lys Ile
 85 90 95
 Met Asp Asn Gly Ile Gln Gly Glu Leu Arg Arg Thr Lys Ser Lys Gly
 100 105 110
 Ser Leu Glu Ile Thr Glu Ser Gln Ser Ala Asp Ala Glu Pro Pro Pro
 115 120 125
 Pro Pro Lys Pro Asp Leu Ser Arg Tyr Thr Gly Leu Arg Thr His Leu
 130 135 140
 Gly Leu Ala Thr Asn Glu Asp Ser Ser Leu Leu Ala Lys Asp Ser Pro
 145 150 155 160
 Pro Thr Pro Thr Met Tyr Lys Tyr Arg Pro Gly Tyr Ser Ser Ser Ser
 165 170 175
 Thr Ser Ala Ala Met Pro His Ser Ser Ser Ala Lys Val Leu Ser Thr
 180 185 190
 Leu Arg Gly Gly Val Ile Thr Cys Gln Leu Ala Arg His Ser Gly Ser
 195 200 205
 Phe Leu
 210

<210> 1873

<211> 193

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1873

Met	Gly	Pro	Leu	Ser	Pro	Ala	Arg	Thr	Leu	Arg	Leu	Trp	Gly	Pro	Arg	
1				5					10					15		
Ser	Leu	Gly	Val	Ala	Leu	Gly	Val	Phe	Met	Thr	Ile	Gly	Phe	Ala	Leu	
			20					25					30			
Gln	Leu	Leu	Gly	Gly	Pro	Phe	Gln	Arg	Arg	Leu	Pro	Gly	Leu	Gln	Leu	
		35					40					45				
Arg	Gln	Pro	Ser	Xaa	Pro	Ser	Leu	Arg	Pro	Ala	Leu	Pro	Ser	Cys	Pro	
	50					55					60					
Pro	Arg	Gln	Arg	Leu	Val	Phe	Leu	Lys	Thr	His	Lys	Ser	Gly	Ser	Ser	
65					70					75					80	
Ser	Val	Leu	Ser	Leu	Leu	His	Arg	Tyr	Gly	Asp	Gln	His	Gly	Leu	Arg	
				85					90					95		
Phe	Ala	Leu	Pro	Ala	Arg	Tyr	Gln	Phe	Gly	Tyr	Pro	Lys	Leu	Phe	Gln	
			100					105					110			
Ala	Ser	Arg	Val	Lys	Gly	Tyr	Arg	Pro	Gln	Gly	Gly	Gly	Thr	Gln	Leu	
			115				120					125				
Pro	Phe	His	Ile	Leu	Cys	His	His	Met	Arg	Phe	Asn	Leu	Lys	Glu	Val	
	130					135					140					
Leu	Gln	Val	Met	Pro	Ser	Asp	Ser	Phe	Phe	Phe	Ser	Ile	Val	Arg	Asp	
145					150					155					160	
Pro	Ala	Ala	Leu	Ala	Arg	Ser	Ala	Phe	Ser	Tyr	Tyr	Lys	Ser	Thr	Ser	
				165					170					175		
Ser	Ala	Phe	Arg	Lys	Ser	Pro	Ser	Leu	Ala	Ala	Phe	Leu	Ala	Asn	Pro	
			180					185					190			

Arg

<210> 1874

<211> 461

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (168)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (169)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (178)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (442)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1874
 Met Thr Ile Gly Phe Ala Leu Gln Leu Leu Gly Gly Pro Phe Gln Arg
 1 5 10 15
 Arg Leu Pro Gly Leu Gln Leu Arg Gln Pro Ser Xaa Pro Ser Leu Arg
 20 25 30
 Pro Ala Leu Pro Ser Cys Pro Pro Arg Gln Arg Leu Val Phe Leu Lys
 35 40 45
 Thr His Lys Ser Gly Ser Ser Ser Val Leu Ser Leu Leu His Arg Tyr
 50 55 60
 Gly Asp Gln His Gly Leu Arg Phe Ala Leu Pro Ala Arg Tyr Gln Phe
 65 70 75 80
 Gly Tyr Pro Lys Leu Phe Gln Ala Ser Arg Val Lys Gly Tyr Arg Pro
 85 90 95
 Gln Gly Gly Gly Thr Gln Leu Pro Phe His Ile Leu Cys His His Met
 100 105 110
 Arg Phe Asn Leu Lys Glu Val Leu Gln Val Met Pro Ser Asp Ser Phe
 115 120 125
 Phe Phe Ser Ile Val Arg Asp Pro Ala Ala Leu Ala Arg Ser Ala Phe
 130 135 140

Ser	Tyr	Tyr	Lys	Ser	Thr	Ser	Ser	Ala	Phe	Arg	Lys	Ser	Pro	Ser	Leu	145	150	155	160
Ala	Ala	Phe	Leu	Ala	Asn	Pro	Xaa	Xaa	Phe	Xaa	Arg	Pro	Gly	Ala	Arg	165	170	175	
Gly	Xaa	His	Tyr	Ala	Arg	Asn	Leu	Leu	Trp	Phe	Asp	Phe	Gly	Leu	Pro	180	185	190	
Phe	Pro	Pro	Glu	Lys	Arg	Ala	Lys	Arg	Gly	Asn	Ile	His	Pro	Pro	Arg	195	200	205	
Asp	Pro	Asn	Pro	Pro	Gln	Leu	Gln	Val	Leu	Pro	Ser	Gly	Ala	Gly	Pro	210	215	220	
Arg	Ala	Gln	Thr	Leu	Asn	Pro	Asn	Ala	Leu	Ile	His	Pro	Val	Ser	Thr	225	230	235	240
Val	Thr	Asp	His	Arg	Ser	Gln	Ile	Ser	Ser	Pro	Ala	Ser	Phe	Asp	Leu	245	250	255	
Gly	Ser	Ser	Ser	Phe	Ile	Gln	Trp	Gly	Leu	Ala	Trp	Leu	Asp	Ser	Val	260	265	270	
Phe	Asp	Leu	Val	Met	Val	Ala	Glu	Tyr	Phe	Asp	Glu	Ser	Leu	Val	Leu	275	280	285	
Leu	Ala	Asp	Ala	Leu	Cys	Trp	Gly	Leu	Asp	Asp	Val	Val	Gly	Phe	Met	290	295	300	
His	Asn	Ala	Gln	Ala	Gly	His	Lys	Gln	Gly	Leu	Ser	Thr	Val	Ser	Asn	305	310	315	320
Ser	Gly	Leu	Thr	Ala	Glu	Asp	Arg	Gln	Leu	Thr	Ala	Arg	Ala	Arg	Ala	325	330	335	
Trp	Asn	Asn	Leu	Asp	Trp	Ala	Leu	Tyr	Val	His	Phe	Asn	Arg	Ser	Leu	340	345	350	
Trp	Ala	Arg	Ile	Glu	Lys	Tyr	Gly	Gln	Gly	Arg	Leu	Gln	Thr	Ala	Val	355	360	365	
Ala	Glu	Leu	Arg	Ala	Arg	Arg	Glu	Ala	Leu	Ala	Lys	His	Cys	Leu	Val	370	375	380	
Gly	Gly	Glu	Ala	Ser	Asp	Pro	Lys	Tyr	Ile	Thr	Asp	Arg	Arg	Phe	Arg	385	390	395	400
Pro	Phe	Gln	Phe	Gly	Ser	Ala	Lys	Val	Leu	Gly	Tyr	Ile	Leu	Arg	Ser	405	410	415	

Gly Leu Ser Pro Gln Asp Gln Glu Glu Cys Glu Arg Leu Ala Thr Pro
 420 425 430

Glu Leu Gln Tyr Lys Asp Lys Leu Asp Xaa Lys Gln Phe Pro Pro Thr
 435 440 445

Val Ser Leu Pro Leu Lys Thr Ser Arg Pro Leu Ser Pro
 450 455 460

<210> 1875

<211> 191

<212> PRT

<213> Homo sapiens

<400> 1875

Met Gly Pro Leu Ser Pro Ala Arg Thr Leu Arg Leu Trp Gly Pro Arg
 1 5 10 15

Ser Leu Gly Val Ala Leu Gly Val Phe Met Thr Ile Gly Phe Ala Leu
 20 25 30

Gln Leu Leu Gly Gly Pro Phe Gln Arg Arg Leu Pro Gly Leu Gln Leu
 35 40 45

Arg Gln Pro Ser Ala Pro Ser Leu Arg Pro Ala Leu Pro Ser Cys Pro
 50 55 60

Pro Arg Gln Arg Leu Val Phe Leu Lys Thr His Lys Ser Gly Ser Ser
 65 70 75 80

Ser Val Leu Ser Leu Leu His Arg Tyr Gly Asp Gln His Gly Leu Arg
 85 90 95

Phe Ala Leu Pro Ala Arg Tyr Gln Phe Gly Tyr Pro Lys Leu Phe Gln
 100 105 110

Ala Ser Arg Val Lys Gly Tyr Arg Pro Gln Gly Gly Gly Thr Gln Leu
 115 120 125

Pro Phe His Ile Leu Cys His His Met Arg Phe Asn Leu Lys Glu Val
 130 135 140

Leu Gln Val Met Pro Ser Asp Ser Phe Phe Phe Ser Ile Val Arg Asp
 145 150 155 160

Pro Ala Gly Leu Ala Arg Ser Ala Phe Ser Tyr Tyr Lys Ser Thr Ser
 165 170 175

Ser Thr Phe Arg Lys Ser Pro Ser Leu Ala Ala Phe Leu Ala Asn
 180 185 190

<210> 1876
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1876
Met Ala Pro Ala Ile Val Thr Leu Gly Leu Leu Leu Pro Leu Ala Pro
1 5 10 15
Ala Asp Leu Cys Leu Pro Ala Leu Gly Ser Ser Arg Leu Pro Arg Gly
20 25 30
Pro Pro Gln Leu Pro Ser Ile Pro Val Ser Gln Pro Leu Pro Arg Gly
35 40 45
Phe Leu Arg Glu His Pro Gln Pro His Lys Leu Gln Pro Ile Pro Pro
50 55 60
Xaa Ser Gln Lys Ala Leu Phe Leu Glu Pro Arg Arg Arg Leu Trp Pro
65 70 75 80
Pro Ser Pro

<210> 1877
<211> 96
<212> PRT
<213> Homo sapiens

<400> 1877
Met Ser Ile Pro Met Val Ser Val Leu Leu Cys Gln Ala Pro Leu Leu
1 5 10 15
Ile Gln Val Ala Leu Pro Arg Thr Val Ala Ile Arg Lys Lys Arg Leu
20 25 30
Cys Leu Val Asp Ser Ile Leu Gln Thr Trp His Leu Phe Asn Phe Phe
35 40 45
Leu Val Gly Phe Ile Phe Gln Ser Ile Phe Arg Phe Thr Ala Lys Leu
50 55 60

Ser Glu Ser Thr Glu Ile Ser His Leu Phe Phe Ala Pro Thr Gln Ala
 65 70 75 80

Lys Pro His Leu Leu Pro Ile Ser Pro Thr Arg Glu Val His Leu Leu
 85 90 95

<210> 1878

<211> 86

<212> PRT

<213> Homo sapiens

<400> 1878

Met Ser Phe Arg Ser Glu Leu Ala Met Trp Phe Gln Ala Ala Leu Val
 1 5 10 15

Ser Ser Leu Val Leu Pro Thr Pro Pro Gly Ser Gly Gly Thr Ser Arg
 20 25 30

Arg Lys Lys Trp Ile Lys Ser Trp Arg Asp Phe Lys Gln Tyr Leu Thr
 35 40 45

His Ser Ser Arg His Asp Ser His Gln Leu Arg Ser Ser Asn Ala Phe
 50 55 60

Leu Phe Asp Ala Gln Glu Gly Pro Ser Ala Val Asp Ile Ala Lys Asp
 65 70 75 80

Glu Ile Gln Arg Gln Arg
 85

<210> 1879

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1879

Met Leu Gln Thr Thr Leu Pro Ser Ser Gln Thr Val Ser Leu Cys Leu
 1 5 10 15

Trp Val Gly Ala Ser Gln Pro Pro Pro Ser Phe Leu Cys Cys Gln Leu

	20		25		30												
Gln	Val	Phe	Leu	Cys	Leu	Leu	His	Thr	Thr	Arg	Arg	Cys	Pro	Ser	Ala		
	35						40					45					
Leu	Pro	Ala	Leu	Val	Arg	Val	Val	Pro	Val	Ser	His	Cys	Gln	Thr	Ser		
	50					55					60						
Trp	Leu	Xaa	Cys	Gly	Asp	Leu	Phe	Leu	Cys	Leu	Arg	Ser	Phe	Leu	Arg		
	65				70					75					80		
Ser	Val	His	Ser	Ser	Gly	Val	Ser	Pro	Cys	Leu	Glu	Gln	Ile	Ala	Ser		
				85					90					95			
Pro	Phe	Ser	Thr	Cys	Leu	Leu	Lys	Leu	Trp	Ser	Thr	Cys	Asp	Cys	Lys		
			100					105					110				
Phe	Ser	Ala	Ala	Thr	Pro	Glu	Pro	Ser	Ser	Ser	His	Ser	Phe	Thr	Phe		
		115					120					125					
Met	Asp																
	130																

<210> 1880
 <211> 96
 <212> PRT
 <213> Homo sapiens

<400> 1880																	
Met	Leu	Met	Val	Arg	Leu	Phe	Asn	Ser	Phe	Pro	His	Ala	Leu	Leu	Ile		
1				5					10					15			
Leu	Phe	Leu	Trp	Gly	Glu	Gln	Ser	Pro	Leu	Thr	Lys	Pro	Cys	Pro	Thr		
			20					25					30				
His	Trp	Ala	Pro	Val	Trp	Met	Val	Pro	Gly	Pro	Gln	Val	Leu	Trp	Gly		
		35				40						45					
Thr	His	Trp	Gly	Leu	Pro	Gly	Asn	His	Phe	Cys	Arg	Ile	Arg	Ser	His		
	50					55					60						
Thr	Arg	Arg	Ala	Gln	Cys	Pro	Arg	Glu	Gly	Pro	Phe	Pro	Thr	Thr	Leu		
	65				70					75					80		
Pro	His	Trp	Gly	Trp	Val	Thr	Gly	Thr	Tyr	Arg	Gly	Trp	Cys	Cys	Leu		
				85					90					95			

<210> 1881

<211> 122

<212> PRT

<213> Homo sapiens

<400> 1881

Met Leu Met Val Arg Leu Phe Asn Ser Phe Pro His Ala Leu Leu Ile
1 5 10 15

Leu Phe Leu Trp Gly Glu Gln Ser Pro Leu Thr Lys Pro Cys Pro Thr
20 25 30

His Trp Ala Pro Val Trp Met Val Pro Gly Pro Gln Val Leu Trp Gly
35 40 45

Thr His Trp Gly Leu Pro Gly Asn His Phe Cys Arg Ile Arg Ser His
50 55 60

Thr Arg Arg Ala Gln Cys Pro Arg Glu Gly Pro Phe Pro Thr Thr Leu
65 70 75 80

Pro His Trp Gly Trp Val Thr Gly Thr Tyr Arg Gly Trp Cys Cys Leu
85 90 95

Ala Ser Pro Ala Cys Gly Gly Ser Trp Val Leu Leu Pro Phe Gly Phe
100 105 110

Val Phe Tyr Leu Ser Gly Trp Ala Ser Phe
115 120

<210> 1882

<211> 122

<212> PRT

<213> Homo sapiens

<400> 1882

Met Leu Met Val Arg Leu Phe Asn Ser Phe Pro His Ala Leu Leu Ile
1 5 10 15

Leu Phe Leu Trp Gly Glu Gln Ser Pro Leu Thr Lys Pro Cys Pro Thr
20 25 30

His Trp Ala Pro Val Trp Met Val Pro Gly Pro Gln Val Leu Trp Gly
35 40 45

Thr His Trp Gly Leu Pro Gly Asn His Phe Cys Arg Ile Arg Ser His
50 55 60

Thr	Arg	Arg	Ala	Gln	Cys	Pro	Arg	Glu	Gly	Pro	Phe	Pro	Thr	Thr	Leu
65					70					75					80
Pro	His	Trp	Gly	Trp	Val	Thr	Gly	Thr	Tyr	Arg	Gly	Trp	Cys	Cys	Leu
				85					90					95	
Ala	Ser	Pro	Ala	Cys	Gly	Gly	Ser	Trp	Val	Leu	Leu	Pro	Phe	Gly	Phe
			100					105					110		
Val	Phe	Tyr	Leu	Ser	Gly	Trp	Ala	Ser	Phe						
		115					120								

<210> 1883
 <211> 65
 <212> PRT
 <213> Homo sapiens

Met	Pro	Arg	Ser	Ser	Trp	Arg	Pro	Ala	Pro	Ser	Arg	Pro	Trp	Met	Pro
1				5					10					15	
Trp	Ser	Cys	Ala	Ser	Ser	Trp	Ser	Thr	Ser	Gly	Leu	Trp	Thr	Leu	Leu
			20					25					30		
Cys	Thr	Arg	Ala	Ala	Cys	Thr	Ser	Ser	Gln	Arg	Pro	Thr	Thr	Thr	Cys
		35					40					45			
Trp	Asp	Gln	Pro	Arg	Arg	Leu	Thr	Leu	Leu	Cys	Ser	Gly	Ala	Cys	Ser
	50					55					60				
Arg															
65															

<210> 1884
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1884

Ser	Gln	Leu	Leu	Gly	Arg	Leu	Arg	Gln	Glu	Asn	Arg	Leu	Xaa	Pro	Gly
1				5					10					15	

Gly	Gly	Gly	Trp	Ser	Glu	Arg	Arg	Ser	Cys	His	Xaa	Thr	Pro	Ala	Trp
			20					25					30		

Val	Thr	Glu	Arg	Gln	Thr	Val	Ser	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Asn
		35					40					45			

Val	Arg	Lys	Glu	Val	Glu	Ser	Tyr	Phe	His	Leu	Tyr	Phe	Ser	His	Cys
	50					55					60				

Leu Ala
65

<210> 1885

<211> 242

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (197)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (198)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (228)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (233)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (236)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1885
 Met His Arg Leu Ala Pro His Cys Ser Phe Ala Arg Trp Leu Leu Cys
 1 5 10 15
 Asn Gly Ser Leu Phe Arg Tyr Lys His Pro Ser Glu Glu Glu Leu Arg
 20 25 30
 Ala Leu Ala Gly Lys Pro Arg Pro Arg Gly Arg Lys Glu Arg Trp Ala
 35 40 45
 Asn Gly Leu Ser Glu Glu Lys Pro Leu Ser Val Pro Arg Asp Ala Pro
 50 55 60
 Phe Gln Leu Glu Thr Cys Pro Leu Thr Thr Val Asp Ala Leu Val Leu
 65 70 75 80
 Arg Phe Phe Leu Glu Tyr Gln Trp Phe Val Asp Phe Ala Val Tyr Ser
 85 90 95
 Gly Gly Val Tyr Leu Phe Thr Glu Ala Tyr Tyr Tyr Met Leu Gly Pro
 100 105 110
 Ala Lys Glu Thr Asn Ile Ala Val Phe Trp Cys Leu Leu Thr Val Thr
 115 120 125
 Phe Ser Ile Lys Met Phe Leu Thr Val Thr Arg Leu Tyr Phe Ser Ala
 130 135 140
 Glu Glu Gly Gly Glu Arg Ser Val Cys Leu Thr Phe Ala Phe Leu Phe
 145 150 155 160
 Leu Leu Leu Ala Met Leu Val Gln Val Val Arg Xaa Glu Thr Leu Glu
 165 170 175
 Leu Gly Leu Asp Leu Ala Gly Ser Met Thr Gln Asn Leu Glu Pro Leu
 180 185 190
 Leu Lys Lys Gln Xaa Xaa Asp Trp Ala Leu Pro Val Xaa Lys Leu Leu
 195 200 205
 Ser Arg Asp Cys Met Xaa Leu Gly Trp Cys Phe Tyr Phe Ser Trp Val

210	215	220
Ala Thr Arg Xaa Cys Ile Glu Lys Xaa Tyr Leu Xaa Lys Ser Val Cys		
225	230	235 240

Thr Gly

<210> 1886
 <211> 479
 <212> PRT
 <213> Homo sapiens

<400> 1886

Met	Ala	Val	Leu	Gly	Val	Gln	Leu	Val	Val	Thr	Leu	Leu	Thr	Ala	Thr
1				5					10					15	
Leu	Met	His	Arg	Leu	Ala	Pro	His	Cys	Ser	Phe	Ala	Arg	Trp	Leu	Leu
			20					25					30		
Cys	Asn	Gly	Ser	Leu	Phe	Arg	Tyr	Lys	His	Pro	Ser	Glu	Glu	Glu	Leu
		35					40					45			
Arg	Ala	Leu	Ala	Gly	Lys	Pro	Arg	Pro	Arg	Gly	Arg	Lys	Glu	Arg	Trp
	50					55					60				
Ala	Asn	Gly	Leu	Ser	Glu	Glu	Lys	Pro	Leu	Ser	Val	Pro	Arg	Asp	Ala
65					70					75					80
Pro	Phe	Gln	Leu	Glu	Thr	Cys	Pro	Leu	Thr	Thr	Val	Asp	Ala	Leu	Val
			85						90					95	
Leu	Arg	Phe	Phe	Leu	Glu	Tyr	Gln	Trp	Phe	Val	Asp	Phe	Ala	Val	Tyr
		100						105					110		
Ser	Gly	Gly	Val	Tyr	Leu	Phe	Thr	Glu	Ala	Tyr	Tyr	Tyr	Met	Leu	Gly
	115						120					125			
Pro	Ala	Lys	Glu	Thr	Asn	Ile	Ala	Val	Phe	Trp	Cys	Leu	Leu	Thr	Val
	130				135						140				
Thr	Phe	Ser	Ile	Lys	Met	Phe	Leu	Thr	Val	Thr	Arg	Leu	Tyr	Phe	Ser
145				150						155					160
Ala	Glu	Glu	Gly	Gly	Glu	Arg	Ser	Val	Cys	Leu	Thr	Phe	Ala	Phe	Leu
			165						170					175	
Phe	Leu	Leu	Leu	Ala	Met	Leu	Val	Gln	Val	Val	Arg	Glu	Glu	Thr	Leu
			180					185					190		

Glu Leu Gly Leu Glu Pro Gly Leu Ala Ser Met Thr Gln Asn Leu Glu
 195 200 205
 Pro Leu Leu Lys Lys Gln Gly Trp Asp Trp Ala Leu Pro Val Ala Lys
 210 215 220
 Leu Ala Ile Arg Val Gly Leu Ala Val Val Gly Ser Val Leu Gly Ala
 225 230 235 240
 Phe Leu Thr Phe Pro Gly Leu Arg Leu Ala Gln Thr His Arg Asp Ala
 245 250 255
 Leu Thr Met Ser Glu Asp Arg Pro Met Leu Gln Phe Leu Leu His Thr
 260 265 270
 Ser Phe Leu Ser Pro Leu Phe Ile Leu Trp Leu Trp Thr Lys Pro Ile
 275 280 285
 Ala Arg Asp Phe Leu His Gln Pro Pro Phe Gly Glu Thr Arg Phe Ser
 290 295 300
 Leu Leu Ser Asp Ser Ala Phe Asp Ser Gly Arg Leu Trp Leu Leu Val
 305 310 315 320
 Val Leu Cys Leu Leu Arg Leu Ala Val Thr Arg Pro His Leu Gln Ala
 325 330 335
 Tyr Leu Cys Leu Ala Lys Ala Arg Val Glu Gln Leu Arg Arg Glu Ala
 340 345 350
 Gly Arg Ile Glu Ala Arg Glu Ile Gln Gln Arg Val Val Arg Val Tyr
 355 360 365
 Cys Tyr Val Thr Val Val Ser Leu Gln Tyr Leu Thr Pro Leu Ile Leu
 370 375 380
 Thr Leu Asn Cys Thr Leu Leu Leu Lys Thr Leu Gly Gly Tyr Ser Trp
 385 390 395 400
 Gly Leu Gly Pro Ala Pro Leu Leu Ser Pro Asp Pro Ser Ser Ala Ser
 405 410 415
 Ala Ala Pro Ile Gly Ser Gly Glu Asp Glu Val Gln Gln Thr Ala Ala
 420 425 430
 Arg Ile Ala Gly Ala Leu Gly Gly Leu Leu Thr Pro Leu Phe Leu Arg
 435 440 445
 Gly Val Leu Ala Tyr Leu Ile Trp Trp Thr Ala Ala Cys Gln Leu Leu
 450 455 460
 Ala Ser Leu Phe Gly Leu Tyr Phe His Gln His Leu Ala Gly Ser

465

470

475

<210> 1887

<211> 122

<212> PRT

<213> Homo sapiens

<400> 1887

Met Arg His His Thr Trp Leu Ile Phe Leu Ile Leu Ile Phe Val Glu
 1 5 10 15

Met Gly Gly Gln Val Ser Leu Cys Cys Pro Gly Cys Ser Arg Thr Pro
 20 25 30

Gly His Lys Pro Ser Ser His Leu Ser Leu Pro Met Arg Arg Asn Tyr
 35 40 45

Arg Trp Leu Arg Cys Glu Pro Pro Cys Leu Ala Phe Leu His Tyr Leu
 50 55 60

Glu Ile Arg Trp Glu Glu Ala Phe Phe Trp Val Gly Leu Arg Arg His
 65 70 75 80

Thr Glu Val Pro Gln Val Ile Gly Ala Gly Pro Leu Pro Phe Ser Pro
 85 90 95

Pro Trp Val Val Val Asp Arg Ser Leu Gly Trp Asp Gly Glu Glu Arg
 100 105 110

Ser Cys Cys Val Ser Cys Leu Leu Phe Lys
 115 120

<210> 1888

<211> 122

<212> PRT

<213> Homo sapiens

<400> 1888

Met Arg His His Thr Trp Leu Ile Phe Leu Ile Leu Ile Phe Val Glu
 1 5 10 15

Met Gly Gly Gln Val Ser Leu Cys Cys Pro Gly Cys Ser Arg Thr Pro
 20 25 30

Gly His Lys Pro Ser Ser His Leu Ser Leu Pro Met Arg Arg Asn Tyr
 35 40 45

Arg Trp Leu Arg Cys Glu Pro Pro Cys Leu Ala Phe Leu His Tyr Leu

50		55		60
Glu Ile Arg Trp Glu Glu Ala Phe Phe Trp Val Gly Leu Arg Arg His				
65		70		75 80
Thr Glu Val Pro Gln Val Ile Gly Ala Gly Pro Leu Pro Phe Ser Pro				
	85		90	95
Pro Trp Val Val Val Asp Arg Ser Leu Gly Trp Asp Gly Glu Glu Arg				
	100		105	110
Ser Cys Cys Val Ser Cys Leu Leu Phe Lys				
	115		120	

<210> 1889
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 1889
Met Glu Leu Val Phe Leu Ile Ile Ser Leu Val Cys Gln His Cys Ser
1 5 10 15
Pro Asp Ser Ala Gly Asp Leu Cys Val Gln Thr Pro Ser Val Trp Pro
20 25 30
Arg Thr Leu Met Glu Ile Met Leu Ser Ser Leu Gly Glu Phe Ala Leu
35 40 45
Ser Asn Asn Gln Arg Phe Val Cys Phe Asn Asn Ile His Ser Ser Trp
50 55 60
Ala Trp Trp Leu Thr Ser Val Ile Pro Ala Leu Trp Glu Ala Asp Thr
65 70 75 80
Gly Gly Leu Leu Glu Ala Arg Ser Leu Arg Pro Ala
85 90

<210> 1890
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 1890
Met Glu Leu Val Phe Leu Ile Ile Ser Leu Val Cys Gln His Cys Ser
1 5 10 15
Pro Asp Ser Ala Gly Asp Leu Cys Val Gln Thr Pro Ser Val Trp Pro

	20		25		30	
Arg Thr Leu Met Glu Ile Met Leu Ser Ser Leu Gly Glu Phe Ala Leu						
	35		40		45	
Ser Asn Asn Gln Arg Phe Val Cys Phe Asn Asn Ile His Ser Ser Trp						
	50		55		60	
Ala Trp Trp Leu Thr Ser Val Ile Pro Ala Leu Trp Glu Ala Asp Thr						
	65		70		75	80
Gly Gly Leu Leu Glu Ala Arg Ser Leu Arg Pro Ala						
	85		90			

<210> 1891

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1891

Met Phe Ala Phe Ser Pro Leu Ser Arg Leu Ala Met Leu Gly Val Cys													
	1			5				10				15	
Cys Gly Cys Cys Leu Gly Leu Phe Leu Glu Ser Asp Thr Gly Ile Asn													
			20				25				30		
Phe Leu Asn Phe Asn Tyr Leu Ala Ser Tyr Ser Trp Ser Ser Arg Ser													
		35				40				45			
Ser Asn Phe Asn Asn Leu Gly Ile Phe Ser Phe Phe Phe Glu Thr													
	50				55				60				
Glu Ser Arg Ser Val Ala Gln Ala Gly Val Gln Trp His Tyr Leu Ser													
	65				70			75				80	
Ser Leu Gln Ala Leu Pro Pro Gly Phe Thr Pro Phe Ser Cys Leu Xaa													
			85				90					95	
Pro Thr Glu													

<210> 1892

<211> 100

<212> PRT
<213> Homo sapiens

<400> 1892

Met	Phe	Ala	Phe	Ser	Pro	Leu	Ser	Arg	Leu	Ala	Met	Leu	Gly	Val	Cys	
1				5					10					15		
Cys	Gly	Cys	Cys	Leu	Gly	Leu	Phe	Leu	Glu	Ser	Asp	Thr	Gly	Ile	Asn	
			20					25					30			
Phe	Leu	Asn	Phe	Asn	Tyr	Leu	Ala	Ser	Tyr	Ser	Trp	Ser	Ser	Arg	Ser	
		35					40					45				
Ser	Asn	Phe	Asn	Asn	Leu	Gly	Ile	Phe	Ser	Phe	Phe	Phe	Phe	Glu	Thr	
	50					55					60					
Glu	Ser	Arg	Ser	Val	Ala	Gln	Ala	Gly	Val	Gln	Trp	His	Tyr	Leu	Ser	
65					70					75					80	
Ser	Leu	Gln	Ala	Leu	Pro	Pro	Gly	Phe	Thr	Pro	Phe	Ser	Cys	Leu	Ser	
				85					90					95		
Leu	Pro	Ser	Ser													
			100													

<210> 1893
<211> 167
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1893

Met	Leu	Gln	Gly	His	Ser	Ser	Val	Phe	Gln	Ala	Leu	Leu	Gly	Thr	Phe	
1				5					10					15		
Phe	Thr	Trp	Gly	Met	Thr	Ala	Ala	Gly	Ala	Ala	Leu	Val	Phe	Val	Phe	
			20					25					30			
Ser	Ser	Gly	Gln	Arg	Arg	Ile	Leu	Asp	Gly	Ser	Leu	Gly	Phe	Ala	Ala	
		35					40					45				
Gly	Val	Met	Leu	Ala	Ala	Ser	Tyr	Trp	Ser	Leu	Leu	Ala	Pro	Ala	Val	
	50					55					60					
Glu	Met	Ala	Thr	Ser	Ser	Gly	Gly	Phe	Gly	Ala	Phe	Ala	Phe	Phe	Pro	
65					70					75					80	

Val Ala Val Gly Phe Thr Leu Gly Ala Ala Phe Val Tyr Leu Ala Asp
85 90 95

Leu Leu Met Pro His Leu Gly Ala Ala Glu Asp Pro Gln Thr Ala Leu
100 105 110

Ala Leu Asn Phe Gly Ser Thr Leu Met Lys Lys Lys Ser Asp Pro Glu
115 120 125

Gly His Ala Leu Leu Phe Pro Glu Arg Ile His Xaa Ile Asp Lys Ser
130 135 140

Glu Asn Gly Glu Ala Tyr Gln Arg Lys Lys Ala Ala Ala Thr Gly Leu
145 150 155 160

Pro Glu Gly Pro Ala Val Pro
165

<210> 1894

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1894

Met Leu Gln Gly His Ser Ser Val Phe Gln Ala Leu Leu Gly Thr Phe
1 5 10 15

Phe Thr Trp Gly Met Thr Ala Ala Gly Ala Ala Leu Val Phe Val Phe
20 25 30

Ser Ser Gly Gln Arg Arg Ile Leu Asp Gly Ser Leu Gly Phe Ala Ala
35 40 45

Gly Val Met Leu Ala Ala Ser Tyr Trp Ser Leu Leu Ala Pro Ala Val
50 55 60

Glu Met Ala Thr Ser Ser Gly Gly Phe Gly Ala Phe Ala Phe Phe Pro
65 70 75 80

Val Ala Val Gly Phe Thr Leu Gly Ala Ala Phe Val Tyr Leu Ala Asp
85 90 95

Leu Leu Met Pro His Leu Gly Ala Ala Glu Asp Pro Gln Thr Ala Leu
100 105 110

Ala Leu Asn Phe Gly Ser Thr Leu Met Lys Lys Lys Ser Asp Pro Glu
 115 120 125

Gly His Ala Leu Leu Phe Pro Glu Arg Ile His Xaa Ile Asp Lys Ser
 130 135 140

Glu Asn Gly Glu Ala Tyr Gln Arg Lys Lys Ala Ala Ala Thr Gly Leu
 145 150 155 160

Pro Glu Gly Pro Ala Val Pro
 165

<210> 1895

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1895

Met Lys Glu Gln Ser Leu Pro Ser Phe Leu Trp Lys Met Leu Leu Trp
 1 5 10 15

Tyr Cys Leu Val Cys Cys Asp Thr Leu Glu Ser Phe Val Ser Val Phe
 20 25 30

Ser Leu Tyr Pro Gly Thr Ala Leu Gly Ile Trp Glu Ala Leu Thr Val
 35 40 45

Tyr Gly Arg Cys Ala Gln Phe Phe Cys Phe Gln Gly Ala Lys Glu Val
 50 55 60

Ala Val His Met Glu Thr Phe Leu Phe Leu Glu Cys Glu Gly Trp Gly
 65 70 75 80

Pro Lys Gln Val Pro Asn Ala Ala Ala Phe Leu Leu Val
 85 90

<210> 1896

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1896

Ala Arg Ala Leu Gly Leu Phe Val Ser Met Phe Ser Leu Thr Asn Pro
 1 5 10 15

Ser Pro Val Leu Ser Ala Leu Leu Gly Tyr Thr Gln Leu Asn Asn Leu
 20 25 30

Val His Phe Leu Val Trp Glu Pro Leu
 35 40

<210> 1897
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1897
 Met Lys Glu Gln Ser Leu Pro Ser Phe Leu Trp Lys Met Leu Leu Trp
 1 5 10 15
 Tyr Cys Leu Val Cys Cys Asp Thr Leu Glu Ser Phe Val Ser Val Phe
 20 25 30
 Ser Leu Tyr Pro Gly Thr Ala Leu Gly Ile Trp Glu Ala Leu Thr Val
 35 40 45
 Tyr Gly Arg Cys Ala Gln Phe Phe Cys Phe Gln Gly Ala Lys Glu Val
 50 55 60
 Ala Val His Met Glu Thr Phe Leu Phe Leu Glu Cys Glu Gly Trp Gly
 65 70 75 80
 Pro Lys Gln Val Pro Asn Ala Ala Ala Phe Leu Leu Val
 85 90

<210> 1898
 <211> 117
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1898

Met Thr Ser Ile Trp His Arg Pro Val Cys Pro Leu Ser Trp Leu Val
1 5 10 15
Pro Ser Ala Ala Phe Ser Asn Trp Gly Pro Gly Cys Arg Ala Val Cys
20 25 30
Ser Pro Arg Trp Ala Thr Pro Ala Lys Ile Pro Thr Pro Lys Cys Asp
35 40 45
Arg Val Ala His Glu Glu Gly Ser Ala Leu Arg Val Pro Ser Arg Val
50 55 60
His Ser Ser Ser Gln Leu Leu Arg Val Ala Pro Ala Ser Pro Thr Ser
65 70 75 80
Ser Leu Ser Pro Val Met Ser Arg Xaa Pro Pro Pro Ser Arg Val Ser
85 90 95
Val Trp Leu Phe Val Cys Leu Pro Thr Arg Leu Pro Val Pro Xaa Ala
100 105 110
Leu Pro Leu Xaa Pro
115

<210> 1899

<211> 38

<212> PRT

<213> Homo sapiens

<400> 1899

Ile Ser His Val Leu Ile Asp Ala Tyr Ile Ser Leu Lys Arg Ile Lys
1 5 10 15
Ser Ser Cys Asn Pro Thr Thr Leu Gly Met Cys Ser Glu Asp Leu Leu
20 25 30
Arg Leu Cys His Trp Ser
35

<210> 1900

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1900

Met Thr Ser Ile Trp His Arg Pro Val Cys Pro Leu Ser Trp Leu Val
1 5 10 15

Pro Ser Ala Ala Phe Ser Asn Trp Gly Pro Gly Cys Arg Ala Val Cys
 20 25 30
 Ser Pro Arg Trp Ala Thr Pro Ala Lys Ile Pro Thr Pro Lys Cys Asp
 35 40 45
 Arg Val Ala His Glu Glu Gly Ser Ala Leu Arg Val Pro Ser Arg Val
 50 55 60
 His Ser Ser Ser Gln Leu Leu Arg Val Ala Pro Ala Ser Pro Thr Ser
 65 70 75 80
 Ser Leu Ser Pro Val Met Ser Arg
 85

<210> 1901
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 1901
 Met Thr Ser Ile Trp His Arg Pro Val Cys Pro Leu Ser Trp Leu Val
 1 5 10 15
 Pro Ser Ala Ala Phe Ser Asn Trp Gly Pro Gly Cys Arg Ala Val Cys
 20 25 30
 Ser Pro Arg Trp Ala Thr Pro Ala Lys Ile Pro Thr Pro Lys Cys Asp
 35 40 45
 Arg Val Ala His Glu Glu Gly Ser Ala Leu Arg Val Pro Ser Arg Val
 50 55 60
 His Ser Ser Ser Gln Leu Leu Arg Val Ala Pro Ala Ser Pro Thr Ser
 65 70 75 80
 Ser Leu Ser Pro Val Met Ser Arg
 85

<210> 1902
 <211> 113
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1902

Met Asn Ser Ala Phe Ser Thr Cys Leu Leu Leu Leu Gln Asp Leu Gly
1 5 10 15

Val Pro Leu Thr Leu Thr Gly Leu Pro Pro Ala Leu Gly Leu Ala Pro
20 25 30

Pro Val Leu Glu Pro Arg Ala Pro Gly Leu Glu Leu Pro Leu Trp Gly
35 40 45

Gly Ser Gln Ala Pro Pro Leu Pro Xaa Leu Ser Ser Val Pro Cys Ser
50 55 60

Ala Pro Pro Leu Tyr Leu Ser Val Xaa Arg Pro Leu Thr Glu Arg Arg
65 70 75 80

Cys Arg Val Ser Arg Gly Pro Arg Trp Ser Gln Gly Gln Gly Trp Asp
85 90 95

Leu Gln Gly Thr Arg Gly Ala His Gly Leu Arg His Leu Cys Pro Gly
100 105 110

Ser

<210> 1903

<211> 117

<212> PRT

<213> Homo sapiens

<400> 1903

Met Trp Arg Val Ser Ile Ser Val Pro Trp Leu Trp Ser Ala Trp Pro
1 5 10 15

Ile Ser Ser Val Gly Phe Leu Cys Leu Pro Ala Ser Pro His Pro Ser
20 25 30

Leu Pro Pro Ser Ser Thr Leu His Asp Leu Ala Val Thr Ser Gly Pro
35 40 45

Glu Arg Trp Arg Gln Leu Thr Ala Ala Ala Arg Thr Val Ser Arg Val
50 55 60

Arg Ser Ala Ala Gly Trp Gly Ser Trp Pro Cys Pro Ala Ser Met Asn
65 70 75 80

Ser Cys Pro Arg Thr Val Cys Leu Trp Asn Leu Arg Ser Ile Tyr Cys
85 90 95

Val Cys Ser Ser Arg Leu Ser Thr Ser Cys Arg Lys Ser Pro Arg Ile
100 105 110

Thr Met Pro Thr Gln
115

<210> 1904

<211> 117

<212> PRT

<213> Homo sapiens

<400> 1904

Met Trp Arg Val Ser Ile Ser Val Pro Trp Leu Trp Ser Ala Trp Pro
1 5 10 15

Ile Ser Ser Val Gly Phe Leu Cys Leu Pro Ala Ser Pro His Pro Ser
20 25 30

Leu Pro Pro Ser Ser Thr Leu His Asp Leu Ala Val Thr Ser Gly Pro
35 40 45

Glu Arg Trp Arg Gln Leu Thr Ala Ala Ala Arg Thr Val Ser Arg Val
50 55 60

Arg Ser Ala Ala Gly Trp Gly Ser Trp Pro Cys Pro Ala Ser Met Asn
65 70 75 80

Ser Cys Pro Arg Thr Val Cys Leu Trp Asn Leu Arg Ser Ile Tyr Cys
85 90 95

Val Cys Ser Ser Arg Leu Ser Thr Ser Cys Arg Lys Ser Pro Arg Ile
100 105 110

Thr Met Pro Thr Gln
115

<210> 1905

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (118)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1905
 Met Ile Lys Ser Ala Pro Val Gly Pro Val Ala Gly Gly Ile Met Gly
 1 5 10 15

 Cys Ile Met Val Leu Val Leu Ala Val Tyr Ala Tyr Arg His Gln Ile
 20 25 30

 His Arg Arg Ser His Gln His Met Ser Pro Leu Ala Ala Gln Glu Met
 35 40 45

 Ser Val Arg Met Ser Asn Leu Glu Asn Asp Arg Asp Glu Arg Asp Asp
 50 55 60

 Asp Ser His Glu Asp Arg Gly Ile Ile Ser Asn Thr Arg Phe Ile Ala
 65 70 75 80

 Ala Val Ile Glu Arg His Ala His Ser Pro Glu Arg Arg Arg Arg Tyr
 85 90 95

 Trp Gly Arg Ser Gly Thr Glu Ser Asp His Gly Tyr Ser Thr Met Ser
 100 105 110

 Pro Gln Glu Asp Ser Xaa Lys Ser Ser Met Gln Gln
 115 120

<210> 1906
 <211> 165
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (147)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (148)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1906

Met Ala Val Tyr Leu Leu Trp Gln Glu Leu Gly Pro Ala Val Leu Ala
1 5 10 15

Gly Val Ala Val Leu Val Phe Val Ile Pro Ile Asn Ala Leu Ala Ala
20 25 30

Thr Lys Ile Lys Lys Leu Lys Val Ser Leu Ala Thr Leu Cys Val Tyr
35 40 45

Phe Leu Leu Asp Glu Gly Asn Ile Leu Thr Ala Thr Lys Val Phe Thr
50 55 60

Ser Met Ser Leu Phe Asn Ile Leu Arg Ile Pro Leu Phe Glu Leu Pro
65 70 75 80

Thr Val Ile Ser Ala Val Val Gln Thr Lys Ile Ser Leu Gly Arg Leu
85 90 95

Glu Asp Phe Leu Asn Thr Glu Glu Leu Leu Pro Gln Ser Ile Glu Thr
100 105 110

Asn Tyr Thr Gly Asp His Ala Ile Gly Phe Thr Asp Ala Ser Phe Ser
115 120 125

Trp Asp Lys Thr Gly Met Pro Val Leu Lys Glu Ala Leu Trp Leu Met
130 135 140

Xaa Leu Xaa Xaa Pro Gly Phe Xaa Ile Ala Phe Cys Lys Lys Thr Phe
145 150 155 160

Ser Leu Ala Pro Ser
165

<210> 1907

<211> 50

<212> PRT

<213> Homo sapiens

<400> 1907

Cys Tyr Arg Cys Ile Phe Ser Ile Val Ser Asn Arg Phe Ile Phe Ser
1 5 10 15

Asn Pro Trp Ile Ser Ser Cys Ile Phe Thr Ile Ser Lys Gln Ser Asp
20 25 30

Ser Ile Ala Lys Arg Gln Lys Cys Glu Phe Phe Phe Lys Leu Val Asn
35 40 45

Thr Cys
50

<210> 1908
<211> 84
<212> PRT
<213> Homo sapiens

<400> 1908
Met Ile Met Ser Ser Val Thr Leu Leu Trp Ser Ile Leu His Gln Ala
1 5 10 15
Asp Ser Ser Glu Lys Met Thr Ile Ala Ala Ser Ala Ser Leu Thr Thr
20 25 30
Ile Asn Leu Gly Ala Thr Lys Asn Leu Arg Gln Gln Ile Leu Glu Leu
35 40 45
Leu Gly Pro Ile Ser Met Asn His Gly Val His Phe Met Ala Ala Ile
50 55 60
Ala Phe Val Trp Asn Glu Arg Arg Gln Asn Lys Thr Thr Thr Arg Thr
65 70 75 80
Lys Val Cys Ile

<210> 1909
<211> 84
<212> PRT
<213> Homo sapiens

<400> 1909
Met Ile Met Ser Ser Val Thr Leu Leu Trp Ser Ile Leu His Gln Ala
1 5 10 15
Asp Ser Ser Glu Lys Met Thr Ile Ala Ala Ser Ala Ser Leu Thr Thr
20 25 30
Ile Asn Leu Gly Ala Thr Lys Asn Leu Arg Gln Gln Ile Leu Glu Leu
35 40 45
Leu Gly Pro Ile Ser Met Asn His Gly Val His Phe Met Ala Ala Ile
50 55 60

Ala	Phe	Val	Trp	Asn	Glu	Arg	Arg	Gln	Asn	Lys	Thr	Thr	Thr	Arg	Thr
65					70					75					80

Lys Val Cys Ile

<210> 1910
 <211> 275
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (153)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1910
Met Trp Ser Tyr His Leu Ile Gly Leu Ile Trp Thr Ser Glu Phe Ile
1 5 10 15

Leu Ala Cys Gln Gln Met Thr Ile Ala Gly Ala Val Val Thr Cys Tyr
20 25 30

Phe Asn Arg Ser Lys Asn Asp Pro Pro Asp His Pro Ile Leu Ser Ser
35 40 45

Leu Ser Ile Leu Phe Phe Tyr His Gln Gly Thr Ile Val Lys Gly Ser
50 55 60

Phe Leu Ile Ser Val Val Xaa Ile Pro Arg Ile Ile Val Met Tyr Met
65 70 75 80

Gln Asn Ala Leu Lys Glu Gln Gln His Gly Ala Leu Ser Arg Tyr Leu
85 90 95

Phe Arg Cys Cys Tyr Cys Cys Phe Trp Cys Leu Asp Lys Tyr Leu Leu
100 105 110

His Leu Asn Gln Asn Ala Tyr Thr Thr Thr Ala Ile Asn Gly Thr Asp
115 120 125

Phe Cys Thr Ser Ala Lys Asp Ala Phe Lys Ile Leu Ser Lys Asn Ser
130 135 140

Ser His Phe Thr Ser Ile Asn Cys Xaa Gly Asp Phe Ile Ile Phe Leu

145		150		155		160
Gly Lys Val Leu Val Val Cys Phe Thr Val Phe Gly Gly Leu Met Ala						
	165			170		175
Phe Asn Tyr Asn Arg Ala Phe Gln Val Trp Ala Val Pro Leu Leu Leu						
	180			185		190
Val Ala Phe Phe Ala Tyr Leu Val Ala His Ser Phe Leu Ser Val Phe						
	195			200		205
Glu Thr Val Leu Asp Ala Leu Phe Leu Cys Phe Ala Val Asp Leu Glu						
	210			215		220
Thr Asn Asp Gly Ser Ser Glu Lys Pro Tyr Phe Met Asp Gln Glu Phe						
	225			230		235
Leu Ser Phe Val Lys Arg Ser Asn Lys Leu Asn Asn Ala Arg Ala Gln						
	245			250		255
Gln Asp Lys His Ser Leu Arg Asn Glu Glu Gly Thr Glu Leu Gln Ala						
	260			265		270
Ile Val Arg						
	275					

<210> 1911
 <211> 275
 <212> PRT
 <213> Homo sapiens

<400> 1911
Met Trp Ser Tyr His Leu Ile Gly Leu Ile Trp Thr Ser Glu Phe Ile
1 5 10 15
Leu Ala Cys Gln Gln Met Thr Ile Ala Gly Ala Val Val Thr Cys Tyr
20 25 30
Phe Asn Arg Ser Lys Asn Asp Pro Pro Asp His Pro Ile Leu Ser Ser
35 40 45
Leu Ser Ile Leu Phe Phe Tyr His Gln Gly Thr Ile Val Lys Gly Ser
50 55 60
Phe Leu Ile Ser Val Val Arg Ile Pro Arg Ile Ile Val Met Tyr Met
65 70 75 80
Gln Asn Ala Leu Lys Glu Gln Gln His Gly Ala Leu Ser Arg Tyr Leu
85 90 95

Phe	Arg	Cys	Cys	Tyr	Cys	Cys	Phe	Trp	Cys	Leu	Asp	Lys	Tyr	Leu	Leu
		100						105					110		
His	Leu	Asn	Gln	Asn	Ala	Tyr	Thr	Thr	Thr	Ala	Ile	Asn	Gly	Thr	Asp
		115					120					125			
Phe	Cys	Thr	Ser	Ala	Lys	Asp	Ala	Phe	Lys	Ile	Leu	Ser	Lys	Asn	Ser
	130					135					140				
Ser	His	Phe	Thr	Ser	Ile	Asn	Cys	Phe	Gly	Asp	Phe	Ile	Ile	Phe	Leu
145					150					155					160
Gly	Lys	Val	Leu	Val	Val	Cys	Phe	Thr	Val	Phe	Gly	Gly	Leu	Met	Ala
			165						170					175	
Phe	Asn	Tyr	Asn	Arg	Ala	Phe	Gln	Val	Trp	Ala	Val	Pro	Leu	Leu	Leu
		180						185					190		
Val	Ala	Phe	Phe	Ala	Tyr	Leu	Val	Ala	His	Ser	Phe	Leu	Ser	Val	Phe
	195						200					205			
Glu	Thr	Val	Leu	Asp	Ala	Leu	Phe	Leu	Cys	Phe	Ala	Val	Asp	Leu	Glu
	210					215					220				
Thr	Asn	Asp	Gly	Ser	Ser	Glu	Lys	Pro	Tyr	Phe	Met	Asp	Gln	Glu	Phe
225					230					235					240
Leu	Ser	Phe	Val	Lys	Arg	Ser	Asn	Lys	Leu	Asn	Asn	Ala	Arg	Ala	Gln
			245						250					255	
Gln	Asp	Lys	His	Ser	Leu	Arg	Asn	Glu	Glu	Gly	Thr	Glu	Leu	Gln	Ala
		260						265					270		
Ile	Val	Arg													
		275													

<210> 1912

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1912

Met	Ala	Cys	Ile	Leu	Lys	Arg	Lys	Ser	Val	Ile	Ala	Val	Ser	Phe	Ile
1				5					10					15	

Ala Ala Phe Leu Phe Leu Leu Val Val Arg Leu Val Asn Glu Val Asn
 20 25 30
 Phe Pro Leu Leu Leu Asn Cys Phe Gly Gln Pro Gly Thr Lys Trp Ile
 35 40 45
 Pro Phe Ser Tyr Thr Tyr Arg Arg Pro Leu Arg Thr His Tyr Gly Tyr
 50 55 60
 Ile Asn Val Lys Thr Gln Glu Pro Leu Gln Leu Asp Cys Asp Leu Cys
 65 70 75 80
 Ala Ile Val Ser Asn Ser Gly Gln Met Val Gly Gln Lys Val Gly Asn
 85 90 95
 Glu Ile Asp Arg Ser Ser Cys Ile Trp Arg Met Asn Asn Ala Pro Thr
 100 105 110
 Lys Gly Tyr Glu Glu Asp Val Gly Arg Met Thr Met Ile Arg Val Val
 115 120 125
 Pro Ile Pro Ala Xaa Leu Phe Cys
 130 135

<210> 1913
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1913
 Val Phe Thr Ser Ala Lys Tyr Tyr Gly Glu Leu Ser Leu Lys Cys Ala
 1 5 10 15
 Ile Leu Asp Lys Gly Leu Leu Pro Thr Leu Phe Cys Asn Phe Asp Thr
 20 25 30
 Ser Ile Phe Thr Pro Ile Asn Ile Thr Lys Pro Gln Phe Tyr Arg Trp
 35 40 45
 Lys Glu Leu Leu Phe Phe Cys Cys Ser Leu Met Gln Phe Leu Ile Leu
 50 55 60

<210> 1914
 <211> 305
 <212> PRT

<213> Homo sapiens

<400> 1914

Met Ala Cys Ile Leu Lys Arg Lys Ser Val Ile Ala Val Ser Phe Ile
1 5 10 15

Ala Ala Phe Leu Phe Leu Leu Val Val Arg Leu Val Asn Glu Val Asn
20 25 30

Phe Pro Leu Leu Leu Asn Cys Phe Gly Gln Pro Gly Thr Lys Trp Ile
35 40 45

Pro Phe Ser Tyr Thr Tyr Arg Arg Pro Leu Arg Thr His Tyr Gly Tyr
50 55 60

Ile Asn Val Lys Thr Gln Glu Pro Leu Gln Leu Asp Cys Asp Leu Cys
65 70 75 80

Ala Ile Val Ser Asn Ser Gly Gln Met Val Gly Gln Lys Val Gly Asn
85 90 95

Glu Ile Asp Arg Ser Ser Cys Ile Trp Arg Met Asn Asn Ala Pro Thr
100 105 110

Lys Gly Tyr Glu Glu Asp Val Gly Arg Met Thr Met Ile Arg Val Val
115 120 125

Ser His Thr Ser Val Pro Leu Leu Leu Lys Asn Pro Asp Tyr Phe Phe
130 135 140

Lys Glu Ala Asn Thr Thr Ile Tyr Val Ile Trp Gly Pro Phe Arg Asn
145 150 155 160

Met Arg Lys Asp Gly Asn Gly Ile Val Tyr Asn Met Leu Lys Lys Thr
165 170 175

Val Gly Ile Tyr Pro Asn Ala Gln Ile Tyr Val Thr Thr Glu Lys Arg
180 185 190

Met Ser Tyr Cys Asp Gly Val Phe Lys Lys Glu Thr Gly Lys Asp Arg
195 200 205

Val Gln Ser Gly Ser Tyr Leu Ser Thr Gly Trp Phe Thr Phe Ile Leu
210 215 220

Ala Met Asp Ala Cys Tyr Gly Ile His Val Tyr Gly Met Ile Asn Asp
225 230 235 240

Thr Tyr Cys Lys Thr Glu Gly Tyr Arg Lys Val Pro Tyr His Tyr Tyr
245 250 255

Glu Gln Gly Arg Asp Glu Cys Asp Glu Tyr Phe Leu His Glu His Ala

260	265	270
Pro Tyr Gly Gly His Arg Phe Ile Thr Glu Lys Lys Val Phe Ala Lys		
275	280	285
Trp Ala Lys Lys His Arg Ile Ile Phe Thr His Pro Asn Trp Thr Leu		
290	295	300
Ser		
305		

<210> 1915
 <211> 305
 <212> PRT
 <213> Homo sapiens

<400> 1915
Met Ala Cys Ile Leu Lys Arg Lys Ser Val Ile Ala Val Ser Phe Ile
1 5 10 15
Ala Ala Phe Leu Phe Leu Leu Val Val Arg Leu Val Asn Glu Val Asn
20 25 30
Phe Pro Leu Leu Leu Asn Cys Phe Gly Gln Pro Gly Thr Lys Trp Ile
35 40 45
Pro Phe Ser Tyr Thr Tyr Arg Arg Pro Leu Arg Thr His Tyr Gly Tyr
50 55 60
Ile Asn Val Lys Thr Gln Glu Pro Leu Gln Leu Asp Cys Asp Leu Cys
65 70 75 80
Ala Ile Val Ser Asn Ser Gly Gln Met Val Gly Gln Lys Val Gly Asn
85 90 95
Glu Ile Asp Arg Ser Ser Cys Ile Trp Arg Met Asn Asn Ala Pro Thr
100 105 110
Lys Gly Tyr Glu Glu Asp Val Gly Arg Met Thr Met Ile Arg Val Val
115 120 125
Ser His Thr Ser Val Pro Leu Leu Leu Lys Asn Pro Asp Tyr Phe Phe
130 135 140
Lys Glu Ala Asn Thr Thr Ile Tyr Val Ile Trp Gly Pro Phe Arg Asn
145 150 155 160
Met Arg Lys Asp Gly Asn Gly Ile Val Tyr Asn Met Leu Lys Lys Thr
165 170 175

Val	Gly	Ile	Tyr	Pro	Asn	Ala	Gln	Ile	Tyr	Val	Thr	Thr	Glu	Lys	Arg	180	185	190	
Met	Ser	Tyr	Cys	Asp	Gly	Val	Phe	Lys	Lys	Glu	Thr	Gly	Lys	Asp	Arg	195	200	205	
Val	Gln	Ser	Gly	Ser	Tyr	Leu	Ser	Thr	Gly	Trp	Phe	Thr	Phe	Ile	Leu	210	215	220	
Ala	Met	Asp	Ala	Cys	Tyr	Gly	Ile	His	Val	Tyr	Gly	Met	Ile	Asn	Asp	225	230	235	240
Thr	Tyr	Cys	Lys	Thr	Glu	Gly	Tyr	Arg	Lys	Val	Pro	Tyr	His	Tyr	Tyr	245	250	255	
Glu	Gln	Gly	Arg	Asp	Glu	Cys	Asp	Glu	Tyr	Phe	Leu	His	Glu	His	Ala	260	265	270	
Pro	Tyr	Gly	Gly	His	Arg	Phe	Ile	Thr	Glu	Lys	Lys	Val	Phe	Ala	Lys	275	280	285	
Trp	Ala	Lys	Lys	His	Arg	Ile	Ile	Phe	Thr	His	Pro	Asn	Trp	Thr	Leu	290	295	300	
Ser																305			

<210> 1916

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1916

Met	Asp	Ser	Gly	Gly	Trp	Met	Asp	Gly	Asp	Thr	Arg	Gln	Ala	Phe	Pro	1	5	10	15
Cys	Pro	Trp	Gly	Leu	Val	Ser	Leu	Pro	Leu	Ala	Gly	Val	Thr	Leu	Ala	20	25	30	
Leu	His	Val	Phe	Thr	Ala	Ser	Ala	Leu	Pro	Arg	Glu	Leu	Arg	Ser	Glu	35	40	45	
Lys	Asp	Trp	Pro	Gly	Gln	Ser	Pro	Gly	Pro	Ile	Val	Ser	Val	Pro	Gly	50	55	60	

Xaa Gln Glu Gly Ile Leu Glu Gly Gly Pro Gly Thr Gln Phe Ala Leu
65 70 75 80

<210> 1917
<211> 331
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (249)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (257)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (298)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (300)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (301)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1917
Met Asp Arg Leu Lys Ser His Leu Thr Val Cys Phe Leu Pro Ser Val
1 5 10 15

Pro Phe Leu Ile Leu Val Ser Thr Leu Ala Thr Ala Lys Ser Val Thr
20 25 30

Asn Ser Thr Leu Asn Gly Thr Asn Val Val Leu Gly Ser Val Pro Val
35 40 45

Ile Ile Ala Arg Thr Asp His Ile Ile Val Lys Glu Gly Asn Ser Ala
50 55 60

Leu Ile Asn Cys Ser Val Tyr Gly Ile Pro Asp Pro Gln Phe Lys Trp

65					70					75					80
Tyr	Asn	Ser	Ile	Gly	Lys	Leu	Leu	Lys	Glu	Glu	Glu	Asp	Glu	Lys	Glu
				85					90					95	
Arg	Gly	Gly	Gly	Lys	Trp	Gln	Met	His	Asp	Ser	Gly	Leu	Leu	Asn	Ile
			100					105					110		
Thr	Lys	Val	Ser	Phe	Ser	Asp	Arg	Gly	Lys	Tyr	Thr	Cys	Val	Ala	Ser
		115					120					125			
Asn	Ile	Tyr	Gly	Thr	Val	Asn	Asn	Thr	Val	Thr	Leu	Arg	Val	Ile	Phe
	130					135					140				
Thr	Ser	Gly	Asp	Met	Gly	Val	Tyr	Tyr	Met	Val	Val	Cys	Leu	Val	Ala
145					150					155					160
Phe	Thr	Ile	Val	Met	Val	Leu	Asn	Ile	Thr	Arg	Leu	Cys	Met	Met	Ser
				165					170					175	
Ser	His	Leu	Lys	Lys	Thr	Glu	Lys	Ala	Ile	Asn	Glu	Phe	Phe	Arg	Thr
			180					185					190		
Glu	Gly	Ala	Glu	Lys	Leu	Gln	Lys	Ala	Phe	Glu	Ile	Ala	Lys	Arg	Ile
		195					200					205			
Pro	Ile	Ile	Thr	Ser	Ala	Lys	Thr	Leu	Glu	Leu	Ala	Lys	Val	Thr	Gln
	210					215					220				
Phe	Lys	Thr	Met	Glu	Phe	Ala	Arg	Tyr	Ile	Glu	Glu	Leu	Ala	Arg	Ser
225					230					235					240
Val	Pro	Leu	Pro	Pro	Leu	Ile	Met	Xaa	Cys	Arg	Thr	Ile	Met	Glu	Glu
				245					250					255	
Xaa	Met	Glu	Val	Val	Gly	Leu	Glu	Glu	Gln	Gly	Gln	Asn	Phe	Val	Arg
			260					265					270		
His	Thr	Pro	Glu	Gly	Gln	Glu	Ala	Ala	Asp	Arg	Asp	Glu	Val	Tyr	Thr
		275					280					285			
Ile	Pro	Asn	Ser	Leu	Lys	Arg	Ser	Asp	Xaa	Pro	Xaa	Xaa	Val	Leu	Gly
	290					295					300				
Arg	Leu	Ile	Ala	Ala	Arg	Ala	Thr	Ser	Ala	Asn	Cys	His	Gln	Gly	Val
305					310					315					320
Ser	Ser	Pro	Ala	Val	Gln	Lys	Arg	Ala	Cys	Arg					
				325					330						

<210> 1918
<211> 77
<212> PRT
<213> Homo sapiens

<400> 1918
Val Gly Ser Leu Leu Gly Ser Ser Leu Val Ala Leu Leu Ser Leu Pro
1 5 10 15
Gly Gly Trp Leu His Cys Pro Lys Asp Phe Gly Asn Ile Asn Asn Cys
20 25 30
Arg Met Asp Leu Tyr Phe Phe Leu Leu Ala Gly Ile Gln Ala Val Thr
35 40 45
Ala Leu Leu Phe Val Trp Ile Ala Gly Arg Tyr Glu Arg Ala Ser Gln
50 55 60
Gly Pro Ala Ser His Ser Arg Phe Ser Arg Asp Arg Gly
65 70 75

<210> 1919
<211> 91
<212> PRT
<213> Homo sapiens

<400> 1919
Met Gln Gly Ala Ile Met Gly Ile Phe Phe Cys Leu Ser Gly Val Gly
1 5 10 15
Ser Leu Leu Gly Ser Ser Leu Val Ala Leu Leu Ser Leu Pro Gly Gly
20 25 30
Trp Leu His Cys Pro Lys Asp Phe Gly Asn Ile Asn Asn Cys Arg Met
35 40 45
Asp Leu Tyr Phe Phe Leu Leu Ala Gly Ile Gln Ala Val Thr Ala Leu
50 55 60
Leu Phe Val Trp Ile Ala Gly Arg Tyr Glu Arg Ala Ser Gln Gly Pro
65 70 75 80
Ala Ser His Ser Arg Phe Ser Arg Asp Arg Gly
85 90

<210> 1920
<211> 91
<212> PRT

<213> Homo sapiens

<400> 1920

Met Gln Gly Ala Ile Met Gly Ile Phe Phe Cys Leu Ser Gly Val Gly
1 5 10 15

Ser Leu Leu Gly Ser Ser Leu Val Ala Leu Leu Ser Leu Pro Gly Gly
20 25 30

Trp Leu His Cys Pro Lys Asp Phe Gly Asn Ile Asn Asn Cys Arg Met
35 40 45

Asp Leu Tyr Phe Phe Leu Leu Ala Gly Ile Gln Ala Val Thr Ala Leu
50 55 60

Leu Phe Val Trp Ile Ala Gly Arg Tyr Glu Arg Ala Ser Gln Gly Pro
65 70 75 80

Ala Ser His Ser Arg Phe Ser Arg Asp Arg Gly
85 90

<210> 1921

<211> 108

<212> PRT

<213> Homo sapiens

<400> 1921

Met Ser Leu Thr Pro Pro Thr Pro Val Leu Phe Leu Phe Leu Ser Leu
1 5 10 15

Leu Trp Ala Arg Phe Phe Leu Ser Arg Leu Lys Cys Pro Gly Gly Cys
20 25 30

Leu Cys Trp Pro Leu Leu Leu Ser Arg Gly Ser Ser Ala Ala Pro Trp
35 40 45

Ala Ser Val Pro Met Asp Gly Ala Ala His Ala Ala Ile Ser Ala Pro
50 55 60

Gly Leu Ser Val Gln Leu Leu Pro Arg Gln Leu Ala Ser Pro Ser Ala
65 70 75 80

Asn Thr Glu Leu Arg Val Leu Leu Leu Pro Ala Arg Val Arg His Tyr
85 90 95

Leu Pro Ser Ser Phe His Gln Val Leu Gly Ser Ser
100 105

<210> 1922
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 1922
 Met Ser Leu Thr Pro Pro Thr Pro Val Leu Phe Leu Phe Leu Ser Leu
 1 5 10 15
 Leu Trp Ala Arg Phe Phe Leu Ser Arg Leu Lys Cys Pro Gly Gly Cys
 20 25 30
 Leu Cys Trp Pro Leu Leu Leu Ser Arg Gly Ser Ser Ala Ala Pro Trp
 35 40 45
 Ala Ser Val Pro Met Asp Gly Ala Ala His Ala Ala Ile Ser Ala Pro
 50 55 60
 Gly Leu Ser Val Gln Leu Leu Pro Arg Gln Leu Ala Ser Pro Ser Ala
 65 70 75 80
 Asn Thr Glu Leu Arg Val Leu Leu Leu Pro Ala Arg Val Arg His Tyr
 85 90 95
 Leu Pro Ser Ser Phe His Gln Val Leu Gly Ser Ser
 100 105

<210> 1923
 <211> 81
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1923
 Ser Phe Leu Phe Phe Phe Phe Phe Phe Phe Glu Thr Gly Phe Arg Ser
 1 5 10 15
 Val Phe Gln Ala Gly Val Gln Trp Cys Asp Leu Gly Xaa Leu Pro Pro
 20 25 30
 Arg Phe Lys Lys Phe Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr
 35 40 45
 Arg His Ala Leu Pro His Pro Val Thr Phe Phe Cys Val Phe Leu Val
 50 55 60

Glu Met Ala Phe Ala Met Leu Ala Met Ala Gly Leu Lys Leu Leu Ala
65 70 75 80

Ser

<210> 1924

<211> 108

<212> PRT

<213> Homo sapiens

<400> 1924

Met Ser Leu Thr Pro Pro Thr Pro Val Leu Phe Leu Phe Leu Ser Leu
1 5 10 15

Leu Trp Ala Arg Phe Phe Leu Ser Arg Leu Lys Cys Pro Gly Gly Cys
20 25 30

Leu Cys Trp Pro Leu Leu Leu Ser Arg Gly Ser Ser Ala Ala Pro Trp
35 40 45

Ala Ser Val Pro Met Asp Gly Ala Ala His Ala Ala Ile Ser Ala Pro
50 55 60

Gly Leu Ser Val Gln Leu Leu Pro Arg Gln Leu Ala Ser Pro Ser Ala
65 70 75 80

Asn Thr Glu Leu Arg Val Leu Leu Leu Pro Ala Arg Val Arg His Tyr
85 90 95

Leu Pro Ser Ser Phe His Gln Val Leu Gly Ser Ser
100 105

<210> 1925

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1925

Met Tyr Gln Pro His Thr Gln Ser Trp Phe Pro Trp Cys Leu Ile Leu
1 5 10 15

Ser Ser Ser Gln Ala Gly Thr Arg Gly Leu Ser Trp His Leu Ala Asn
20 25 30

Ala Pro Val Lys Pro Gly Met Gly Leu Ala Phe Ala Leu Ile Arg Leu
35 40 45

Asp Ser Leu Leu Thr Cys Tyr Leu Pro Cys Xaa His Val Arg Leu Val
50 55 60

Arg Ala His Thr Cys Thr Ser Pro Thr Arg Pro Leu Leu Ser Tyr Gln
65 70 75 80

Ser Val Pro Ala Ala Ser Met Ile Cys Pro Pro Cys Glu Ile Pro His
85 90 95

Gly Glu Gly Ser Phe Glu Val Ala Gly Arg Ser Thr Glu Met Xaa His
100 105 110

Leu Pro Val Glu Ile Pro Arg Leu Pro Gly Gln Cys Gln Gln Ser Gln
115 120 125

Lys Thr His Pro Leu Ala Trp Ser
130 135

<210> 1926

<211> 136

<212> PRT

<213> Homo sapiens

<400> 1926

Met Tyr Gln Pro His Thr Gln Ser Trp Phe Pro Trp Cys Leu Ile Leu
1 5 10 15

Ser Ser Ser Gln Ala Gly Thr Arg Gly Leu Ser Trp His Leu Ala Asn
20 25 30

Ala Pro Val Lys Pro Gly Met Gly Leu Ala Phe Ala Leu Ile Arg Leu
35 40 45

Asp Ser Leu Leu Thr Cys Tyr Leu Pro Cys Leu His Val Arg Leu Val
50 55 60

Arg Ala His Thr Cys Thr Ser Pro Thr Arg Pro Leu Leu Ser Tyr Gln
65 70 75 80

Ser Val Pro Ala Ala Ser Met Ile Cys Pro Pro Cys Glu Ile Pro His

				85						90					95				
Gly	Glu	Gly	Ser	Phe	Glu	Val	Ala	Gly	Arg	Ser	Thr	Glu	Met	Ser	His				
			100					105					110						
Leu	Pro	Val	Glu	Ile	Pro	Arg	Leu	Pro	Gly	Gln	Cys	Gln	Gln	Ser	Gln				
		115					120					125							
Lys	Thr	His	Pro	Leu	Ala	Trp	Ser												
	130					135													

<210> 1927

<211> 86

<212> PRT

<213> Homo sapiens

<400> 1927

Met	Leu	Leu	Gly	Gly	Arg	Leu	Leu	Thr	Gly	Leu	Ala	Cys	Gly	Val	Ala				
1				5					10					15					
Ser	Leu	Val	Ala	Pro	Val	Ser	Val	Pro	Ser	Leu	Glu	Cys	Pro	Val	Ser				
			20					25					30						
Arg	Pro	Glu	Thr	Glu	Gly	Glu	Trp	Asp	Lys	Pro	Leu	Pro	Arg	Pro	Gly				
		35					40					45							
Gly	Ala	Ala	Pro	Pro	Gly	Gly	Thr	Phe	Trp	Val	Pro	Gly	Leu	Lys	Ser				
	50					55					60								
Leu	Arg	Tyr	Leu	Ala	Val	Pro	Pro	Val	Asp	Pro	Gly	Lys	Asp	Pro	Thr				
	65				70				75						80				
Val	Leu	Ser	Ile	Leu	His														
				85															

<210> 1928

<211> 99

<212> PRT

<213> Homo sapiens

<400> 1928

Met	Leu	Leu	Leu	Leu	His	Ile	His	Val	Phe	Gly	His	Ser	Val	Pro	Ala				
1				5					10					15					
Ala	Trp	Ser	Ala	Ser	Cys	Val	Gln	Ile	Leu	Pro	Val	Leu	Leu	Arg	Ile				
			20					25					30						
Arg	Ser	Gln	Ile	Leu	Ile	His	Thr	Ile	Leu	Phe	Ala	Ala	Tyr	Thr	Leu				

35	40	45
Ala Phe Leu Asn Phe Phe Leu Ser Pro Asn Tyr Ala Val Phe Cys Leu		
50	55	60
Ala Ile Val Leu Leu His Thr Ser Ser Phe Gly Leu Glu Tyr Pro Ser		
65	70	75 80
Leu Cys Leu Phe Phe Leu Lys Glu Thr Gly Ser Gln Cys Gly Leu Val		
85	90	95
Ser Asn Ser		

<210> 1929
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1929
Met Leu Leu Leu Leu His Ile His Val Phe Gly His Ser Val Pro Ala
1 5 10 15
Ala Trp Ser Ala Ser Cys Val Gln Ile Leu Pro Val Leu Leu Arg Ile
20 25 30
Arg Ser Gln Ile Leu Ile His Thr Ile Leu Phe Ala Ala Tyr Thr Leu
35 40 45
Ala Phe Leu Asn Phe Phe Leu Ser Pro Asn Tyr Ala Val Phe Cys Leu
50 55 60
Ala Ile Val Leu Leu His Thr Ser Ser Phe Gly Leu Glu Tyr Pro Ser
65 70 75 80
Leu Cys Leu Phe Phe Leu Lys Glu Thr Gly Ser Gln Cys Gly Leu Val
85 90 95
Ser Asn Ser

<210> 1930
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1930

Met Trp Ser Ser Ser Trp Asp His Arg Ile Thr Thr Pro Arg Leu Ala
1 5 10 15

Asn Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Val Glu Met Gly Phe
20 25 30

Arg Tyr Val Gly Gln Ala Gly Leu Lys Leu Leu Ala Ser Ser Asn Leu
35 40 45

Pro Ala Leu Ala Ser Gln Ser Ala Gly Ile Thr Gly Val Ser His His
50 55 60

Xaa Trp Leu Gly Gly Leu Ile Lys Thr Pro Ile Leu Ser Leu Thr Pro
65 70 75 80

Arg Val Ser Gly

<210> 1931

<211> 178

<212> PRT

<213> Homo sapiens

<400> 1931

Met Ile Lys Arg Lys Val Asp Arg Glu Asp Lys Leu Asp Ile Pro Met
1 5 10 15

Phe Phe Gly Phe Val Gly Leu Phe Asn Leu Leu Leu Leu Trp Pro Gly
20 25 30

Phe Phe Leu Leu His Tyr Thr Gly Phe Glu Asp Phe Glu Phe Pro Asn
35 40 45

Lys Val Val Leu Met Cys Ile Ile Ile Asn Gly Leu Ile Gly Thr Val
50 55 60

Leu Ser Glu Phe Leu Trp Leu Trp Gly Cys Phe Leu Thr Ser Ser Leu
65 70 75 80

Ile Gly Thr Leu Ala Leu Ser Leu Thr Ile Pro Leu Ser Ile Ile Ala
85 90 95

Asp Met Cys Met Gln Lys Val Gln Phe Ser Trp Leu Phe Phe Ala Gly
100 105 110

Ala Ile Pro Val Phe Phe Ser Phe Phe Ile Val Thr Leu Leu Cys His

115		120		125
Tyr Asn Asn Trp Asp Pro Val Met Val Gly Ile Arg Arg Ile Phe Ala				
130		135		140
Phe Ile Cys Arg Lys His Arg Ile Gln Arg Val Pro Glu Asp Ser Glu				
145		150		155
Gln Cys Glu Ser Leu Ile Ser Met His Ser Val Ser Gln Glu Asp Gly				
	165		170	175
Ala Ser				

<210> 1932
 <211> 468
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (125)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1932
Met Asn Ser Gln Asn Ser Gly Phe Thr Gln Arg Arg Arg Met Ala Leu
1 5 10 15
Gly Ile Xaa Ile Leu Leu Leu Val Asp Val Ile Trp Val Ala Ser Ser
20 25 30
Glu Leu Thr Ser Tyr Val Phe Thr Gln Tyr Asn Lys Pro Phe Phe Ser
35 40 45
Thr Phe Ala Lys Thr Ser Met Phe Val Leu Tyr Leu Leu Gly Phe Ile
50 55 60
Ile Trp Lys Pro Trp Arg Gln Gln Cys Thr Arg Gly Leu Arg Gly Lys
65 70 75 80
His Ala Ala Phe Phe Ala Asp Ala Glu Gly Tyr Phe Ala Ala Cys Thr
85 90 95
Thr Asp Thr Thr Met Asn Ser Ser Leu Ser Glu Pro Leu Tyr Val Pro
100 105 110

Val	Lys	Phe	His	Asp	Leu	Pro	Ser	Glu	Lys	Pro	Glu	Xaa	Thr	Asn	Ile		
	115						120					125					
Asp	Thr	Glu	Lys	Thr	Pro	Lys	Lys	Ser	Arg	Val	Arg	Phe	Ser	Asn	Ile		
	130					135					140						
Met	Glu	Ile	Arg	Gln	Leu	Pro	Ser	Ser	His	Ala	Leu	Glu	Ala	Lys	Leu		
145					150					155					160		
Ser	Arg	Met	Ser	Tyr	Pro	Val	Lys	Glu	Gln	Glu	Ser	Ile	Leu	Lys	Thr		
				165					170					175			
Val	Gly	Lys	Leu	Thr	Ala	Thr	Gln	Val	Ala	Lys	Ile	Ser	Phe	Phe	Phe		
			180					185					190				
Cys	Phe	Val	Trp	Phe	Leu	Ala	Asn	Leu	Ser	Tyr	Gln	Glu	Ala	Leu	Ser		
	195						200					205					
Asp	Thr	Gln	Val	Ala	Ile	Val	Asn	Ile	Leu	Ser	Ser	Thr	Ser	Gly	Leu		
	210					215					220						
Phe	Thr	Leu	Ile	Leu	Ala	Ala	Val	Phe	Pro	Ser	Asn	Ser	Gly	Asp	Arg		
225					230					235					240		
Phe	Thr	Leu	Ser	Lys	Leu	Leu	Ala	Val	Ile	Leu	Ser	Ile	Gly	Gly	Val		
				245					250					255			
Val	Leu	Val	Asn	Leu	Ala	Gly	Ser	Glu	Lys	Pro	Ala	Gly	Arg	Asp	Thr		
			260					265					270				
Val	Gly	Ser	Ile	Trp	Ser	Leu	Ala	Gly	Ala	Met	Leu	Tyr	Ala	Val	Tyr		
	275					280					285						
Ile	Val	Met	Ile	Lys	Arg	Lys	Val	Asp	Arg	Glu	Asp	Lys	Leu	Asp	Ile		
	290					295					300						
Pro	Met	Phe	Phe	Gly	Phe	Val	Gly	Leu	Phe	Asn	Leu	Leu	Leu	Leu	Trp		
305					310					315					320		
Pro	Gly	Phe	Phe	Leu	Leu	His	Tyr	Thr	Gly	Phe	Glu	Asp	Phe	Glu	Phe		
				325					330					335			
Pro	Asn	Lys	Val	Val	Leu	Met	Cys	Ile	Ile	Ile	Asn	Gly	Leu	Ile	Gly		
			340					345					350				
Thr	Val	Leu	Ser	Glu	Phe	Leu	Trp	Leu	Trp	Gly	Cys	Phe	Leu	Thr	Ser		
	355						360					365					
Ser	Leu	Ile	Gly	Thr	Leu	Ala	Leu	Ser	Leu	Thr	Ile	Pro	Leu	Ser	Ile		
	370					375					380						

Ile Ala Asp Met Cys Met Gln Lys Val Gln Phe Ser Trp Leu Phe Phe
 385 390 395 400

Ala Gly Ala Ile Pro Val Phe Phe Ser Phe Phe Ile Val Thr Leu Leu
 405 410 415

Cys His Tyr Asn Asn Trp Asp Pro Val Met Val Gly Ile Arg Arg Ile
 420 425 430

Phe Ala Phe Ile Cys Arg Lys His Arg Ile Gln Arg Val Pro Glu Asp
 435 440 445

Ser Glu Gln Cys Glu Ser Leu Ile Ser Met His Ser Val Ser Gln Glu
 450 455 460

Asp Gly Ala Ser
 465

<210> 1933
 <211> 178
 <212> PRT
 <213> Homo sapiens

<400> 1933
 Met Ile Lys Arg Lys Val Asp Arg Glu Asp Lys Leu Asp Ile Pro Met
 1 5 10 15

Phe Phe Gly Phe Val Gly Leu Phe Asn Leu Leu Leu Leu Trp Pro Gly
 20 25 30

Phe Phe Leu Leu His Tyr Thr Gly Phe Glu Asp Phe Glu Phe Pro Asn
 35 40 45

Lys Val Val Leu Met Cys Ile Ile Ile Asn Gly Leu Ile Gly Thr Val
 50 55 60

Leu Ser Glu Phe Leu Trp Leu Trp Gly Cys Phe Leu Thr Ser Ser Leu
 65 70 75 80

Ile Gly Thr Leu Ala Leu Ser Leu Thr Ile Pro Leu Ser Ile Ile Ala
 85 90 95

Asp Met Cys Met Gln Lys Val Gln Phe Ser Trp Leu Phe Phe Ala Gly
 100 105 110

Ala Ile Pro Val Phe Phe Ser Phe Phe Ile Val Thr Leu Leu Cys His
 115 120 125

Tyr Asn Asn Trp Asp Pro Val Met Val Gly Ile Arg Arg Ile Phe Ala
 130 135 140

Phe Ile Cys Arg Lys His Arg Ile Gln Arg Val Pro Glu Asp Ser Glu
 145 150 155 160

Gln Cys Glu Ser Leu Ile Ser Met His Ser Val Ser Gln Glu Asp Gly
 165 170 175

Ala Ser

<210> 1934

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1934

Met Leu Val Ala Trp Cys Leu Ala Pro Gly Asp Leu Leu Leu Val
 1 5 10 15

Ile Ile Thr Leu Pro Arg Lys Glu Val Thr Gly Ser Met Ser Thr Val
 20 25 30

Cys Gln Cys Glu Ala Gln Pro Ala Met Leu Pro Lys Gly His Phe Thr
 35 40 45

His His Ser Pro Lys Ala Ala Arg Lys Ala Gln Glu Gly Thr Arg Lys
 50 55 60

Ala Arg Trp Val Ala Leu Glu Asp Ser Ala Pro Phe His Pro Ser Pro
 65 70 75 80

Gly Trp Gly Leu Ile Leu Gln Leu His Pro Gln Pro Met Asn Xaa Ser
 85 90 95

Gln Ser Ala Trp Lys His Cys Cys Trp Lys Asn Cys Glu Glu Pro Xaa
 100 105 110

Glu Gly Lys Lys
 115

<210> 1935
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1935
Lys Thr Pro His Ser Trp Val Ile His Ala Gly Glu Ala Ser Cys His
1 5 10 15
Val Glu Arg Thr Leu Lys Gln Ser Tyr Gly Ala Ala His Met Arg Gly
20 25 30
Thr Glu Ala Pro Ser His Gln Pro Cys Glu Pro Pro Trp Lys Trp Ser
35 40 45
Leu Gln His Gln Ser Ser Phe Gln Met Ile Ala Ala Pro Asn Thr Ile
50 55 60
Leu Thr Ser Ile Xaa Arg Thr Ser Ala Ser
65 70

<210> 1936
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (107)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1936
 Met Lys Arg Glu Gly Arg Cys Val Leu His Met His Pro Ser Ser Pro
 1 5 10 15

 Pro Ser Arg Leu Ser Phe Phe Leu Phe Leu Arg Gln Ser Leu Ala Leu
 20 25 30

 Leu Pro Arg Leu Glu Cys Ser Gly Val Ile Leu Ala Gln Arg Asn Leu
 35 40 45

 Arg Leu Leu Gly Ser Arg Asp Ser Pro Ala Ser Ala Ser Cys Cys Pro
 50 55 60

 Pro Ser Ser Leu Ser Arg Arg Trp Arg Trp Arg Glu Val Pro Glu Gly
 65 70 75 80

 Leu Trp Gly Leu Xaa Trp Val Xaa Leu Cys Ser Leu Ser Ala Xaa Trp
 85 90 95

 Thr Ala Leu Lys Gly Ser Ser Pro Pro Phe Xaa Ala Lys Gln Leu Gly
 100 105 110

 His His Arg Asn Gly Ile Asn Leu Ala Glu Xaa Ser Leu Pro Lys
 115 120 125

<210> 1937
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 1937
 Leu Met Pro Val Ile Pro Ala Ile Trp Glu Thr Glu Ala Gly Gly Leu
 1 5 10 15

 Leu Glu Ala Arg Ser Leu Arg Gln Pro Gly Gln His Ser Glu Thr Pro
 20 25 30

 Ser Leu Gln Glu Thr Phe Lys Asn Lys Asn Ser Ser
 35 40

<210> 1938
<211> 89
<212> PRT
<213> Homo sapiens

<400> 1938

Met	Asn	His	Arg	Ala	Trp	Pro	Phe	Leu	Pro	Phe	Phe	Phe	Phe	Phe	Leu
1				5					10					15	
Arg	Arg	Ser	Leu	Ala	Leu	Ser	Pro	Arg	Leu	Glu	Cys	Ser	Gly	Ala	Val
			20					25					30		
Ser	Ala	His	Cys	Gly	Leu	Arg	Leu	Pro	Gly	Ser	Arg	His	Ser	Pro	Ala
		35					40					45			
Ser	Ala	Ser	Arg	Val	Ala	Gly	Thr	Ala	Gly	Ala	Arg	Tyr	His	Ala	Arg
	50					55					60				
Leu	Val	Phe	Phe	Val	Phe	Leu	Val	Glu	Thr	Gly	Phe	His	Arg	Val	Gly
65					70					75					80
Gln	Asp	Gly	Leu	Asp	Leu	Leu	Thr	Ser							
				85											

<210> 1939
<211> 89
<212> PRT
<213> Homo sapiens

<400> 1939

Met	Asn	His	Arg	Ala	Trp	Pro	Phe	Leu	Pro	Phe	Phe	Phe	Phe	Phe	Leu
1				5					10					15	
Arg	Arg	Ser	Leu	Ala	Leu	Ser	Pro	Arg	Leu	Glu	Cys	Ser	Gly	Ala	Val
			20					25					30		
Ser	Ala	His	Cys	Gly	Leu	Arg	Leu	Pro	Gly	Ser	Arg	His	Ser	Pro	Ala
		35					40					45			
Ser	Ala	Ser	Arg	Val	Ala	Gly	Thr	Ala	Gly	Ala	Arg	Tyr	His	Ala	Arg
	50					55					60				
Leu	Val	Phe	Phe	Val	Phe	Leu	Val	Glu	Thr	Gly	Phe	His	Arg	Val	Gly
65					70					75					80
Gln	Asp	Gly	Leu	Asp	Leu	Leu	Thr	Ser							
				85											

<210> 1940
 <211> 223
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (159)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (208)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (218)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (221)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1940
 Met Leu His Val Thr Arg Gly Val Trp Gly Ser Arg Val Arg Val Trp
 1 5 10 15
 Pro Leu Leu Pro Ala Leu Leu Gly Pro Pro Arg Ala Leu Ser Ser Leu
 20 25 30
 Ala Ala Lys Met Gly Glu Tyr Arg Lys Met Trp Asn Pro Arg Glu Pro
 35 40 45
 Arg Asp Trp Ala Gln Gln Tyr Arg Glu Arg Phe Ile Pro Phe Ser Lys
 50 55 60
 Glu Gln Leu Leu Arg Leu Leu Ile Gln Ala Leu Tyr Asp Pro Ile Asn
 65 70 75 80
 Pro Asp Arg Glu Thr Leu Asp Gln Pro Ser Leu Thr Asp Pro Gln Arg
 85 90 95
 Leu Ser Asn Glu Gln Glu Val Leu Arg Ala Leu Glu Pro Leu Leu Ala
 100 105 110
 Gln Ala Asn Phe Ser Pro Leu Ser Glu Asp Thr Leu Ala Tyr Ala Leu
 115 120 125
 Val Val His His Pro Gln Asp Glu Val Gln Val Thr Val Asn Leu Asp
 130 135 140

Gln Tyr Val Tyr Ile His Phe Trp Ala Leu Gly Gln Pro Ser Xaa Ala
 145 150 155 160

Asp Ala Pro Glu Val Gln Arg Gly Leu Gln Ala Cys Leu Leu Ser Pro
 165 170 175

Lys Leu Pro Leu Arg Glu Arg Arg Tyr Phe Lys Arg Val Val Leu Ala
 180 185 190

Ser Pro Asp Gln Asn Gly Asp Thr Trp Asp Leu Lys Lys Phe Ser Xaa
 195 200 205

Thr Pro Pro Leu Gly Lys Ala Trp Glu Xaa Leu Leu Xaa Gly Thr
 210 215 220

<210> 1941

<211> 169

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1941

Ser Pro Lys Xaa Pro Pro Ala Glu Arg Arg Tyr Phe Lys Arg Val Val
 1 5 10 15

Leu Xaa Ala Arg Thr Lys Arg Xaa His Leu Val Leu Lys Ser Phe Lys
 20 25 30

Asp Thr Pro Leu Glu Gly Leu Glu Gln Leu Leu Pro Glu Leu Lys Val
 35 40 45

Arg Thr Pro Thr Leu Gln Arg Ala Leu Leu Asn Leu Met Leu Val Val
 50 55 60
 Ser Gly Val Ala Ile Phe Val Asn Val Gly Met Val Val Leu Thr Asp
 65 70 75 80
 Leu Lys Val Ala Thr Ser Leu Leu Leu Leu Leu Phe Ala Ile Phe Met
 85 90 95
 Gly Leu Arg Ala Ser Lys Cys Arg Ala Ala Leu Xaa Ser Cys Thr Gly
 100 105 110
 Cys Ser Pro Ser Lys Asp Ser Trp Pro Arg Gly Gln Val Glu Ala Asp
 115 120 125
 Thr Gln Leu Val Ser Ala Cys Gln Asn Ala Cys Pro Val Ser Arg Leu
 130 135 140
 Ser Gln Pro Arg Gly Glu Leu Pro Phe Thr Asp Ser Ser Gln Gly Trp
 145 150 155 160
 His Arg Pro Gln Glu Cys Arg Leu Val
 165

<210> 1942
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 1942
 Met Leu His Val Thr Arg Gly Val Trp Gly Ser Arg Val Arg Val Trp
 1 5 10 15
 Pro Leu Leu Pro Ala Leu Leu Gly Pro Pro Arg Ala Leu Ser Ser Leu
 20 25 30
 Ala Ala Lys Met Gly Glu Tyr Arg Lys Met Trp Asn Pro Arg Glu Pro
 35 40 45
 Arg Asp Trp Ala Gln Gln Tyr Arg Glu Arg Phe Ile Pro Phe Ser Lys
 50 55 60
 Glu Gln Leu Leu Arg Leu Leu Ile Gln Ala Leu Tyr Asp Pro Ile Asn
 65 70 75 80
 Pro Asp Arg Glu Thr Leu Asp Gln Pro Ser Leu Thr Asp Pro Gln Arg
 85 90 95
 Leu Ser Asn Glu Gln Glu Val Leu Arg Ala Leu Glu Pro Leu Leu Ala

Met Lys Asp Leu Trp Phe Leu Leu Leu Val Val Ala Ala Pro Thr Trp
 1 5 10 15
 Val Leu Ser Gln Val Arg Leu Gln Glu Ser Gly Pro Gly Leu Val Ser
 20 25 30
 Pro Ser Gln Thr Leu Ser Leu Thr Cys Ser Val Ser Gly Ile Asn Ile
 35 40 45
 Gly Gly Gly Lys Tyr Tyr Trp Ala Trp Val Arg Gln Arg Pro Gly Glu
 50 55 60
 Gly Pro Glu Trp Val Gly Tyr Ile Ser Tyr Thr Gly Val Ala Asp Tyr
 65 70 75 80
 Asn Pro Ser Leu Arg Gly Arg Leu Thr Ile Ser Leu Gly Glu Ser Asn
 85 90 95
 Ser Phe Ser Leu Thr Leu Thr Ser Met Thr Ala Ala Asp Ala Val Val
 100 105 110
 Tyr Tyr Cys Ala Thr Asp
 115

<210> 1944
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 1944
 Lys Gly Val Phe Tyr Phe Phe Ile Phe Tyr Leu Pro Leu Phe Ser Trp
 1 5 10 15
 Leu Cys Ser Arg Val Cys Val Phe Ala Cys Leu Leu Ser Cys Ser Phe
 20 25 30
 Phe Phe Trp Met Lys Thr Pro Ala Phe Pro Asp Ser Pro Pro Ser Ser
 35 40 45
 Val Leu Gln Phe Ser Glu Lys Ser Trp Asp Met Trp Glu Gly Ala Trp
 50 55 60
 Glu Leu Gly Ser Leu Arg Leu Pro Gly Arg Gln Phe Arg Leu Cys Arg
 65 70 75 80
 Lys Glu Gln Ser Pro Trp Glu Ala Leu Gly Glu Gly Gly Ala Ala Gly
 85 90 95
 Pro Ala Arg Met Val Leu Pro Ala Thr Gly Gly Leu Arg Val Val Ser
 100 105 110

Ala Pro Cys Ile Ser Pro Ser Leu Leu Thr Phe Leu Leu Cys Phe Pro
115 120 125

Pro Ser Val Cys Gln Arg Gly Gly Thr Gly Asn Arg Thr Ala Val Ala
130 135 140

Ala Leu Ser Leu Leu Ser Thr Val Tyr Ser Gly Leu Ser Gly Asp Ser
145 150 155 160

Arg Glu Pro Gly His Leu Ala Ala Val Arg Pro Leu Asn Leu
165 170

<210> 1945

<211> 162

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1945

Met Ala Ser Ala Leu Ser Tyr Val Ser Lys Phe Lys Ser Phe Val Ile
1 5 10 15

Leu Phe Val Thr Pro Leu Leu Leu Leu Pro Leu Val Ile Leu Met Pro
20 25 30

Ala Lys Val Cys Val Gln Tyr Met Lys Asp Thr Asn Met Leu Phe Leu
35 40 45

Gly Gly Leu Ile Val Ala Val Ala Val Glu Arg Trp Asn Leu His Lys
50 55 60

Arg Ile Ala Leu Arg Thr Leu Leu Trp Val Gly Ala Lys Pro Ala Arg
65 70 75 80

Leu Met Leu Gly Phe Met Gly Val Thr Ala Leu Leu Ser Met Trp Ile
85 90 95

Ser Asn Thr Ala Thr Thr Ala Met Met Val Pro Ile Val Glu Ala Ile
100 105 110

Leu Gln Xaa Met Glu Ala Thr Ser Ala Ala Thr Glu Ala Gly Leu Glu
115 120 125

Leu Val Asp Lys Gly Lys Ala Lys Glu Leu Pro Gly Ser Gln Xaa Ile
130 135 140

Phe Glu Gly Pro Thr Leu Gly Gln Gln Glu Asp Gln Arg Ala Glu Glu
145 150 155 160

Val Val

<210> 1946

<211> 173

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1946

Glu Glu Pro Gln Asp His Thr His Ser Pro Tyr Pro Pro Gln Asp Tyr
1 5 10 15

Arg Thr Phe Trp His Thr Leu Tyr Arg Val Leu Gly Phe Thr Pro Gln
20 25 30

Asn Asp Pro Thr Met Ser Thr His His Gln Asn Pro Ala Asn Gly Pro
35 40 45

Pro Leu Pro Pro Ser Pro Asp Ala Glu Met Xaa Met Gly Ser Trp Arg
50 55 60

Val Gly Ser Glu Met Lys Gly Thr Pro Gln Trp Ala Ala Gly Pro Ile
65 70 75 80

Phe Pro Lys Pro Cys His Tyr Leu Cys Glu Gly Gly Gln Val Ala Glu
85 90 95

Gly Ser Gly Cys Arg Leu Leu Tyr Pro Leu Cys Leu Lys His Pro Pro
100 105 110

His Arg Ala Leu Val Phe Thr Arg Phe Val Leu Asp Ser Leu Asn Gly

115		120		125
Asn Xaa Ile Pro Trp Leu Arg Ala Lys Thr Thr Thr Tyr Gln Cys Pro				
130		135		140
Cys Pro Phe Gln Leu Thr Leu Ser Ser Leu Arg Ser Ser Leu Ser Leu				
145		150		155
Trp Lys Gly His Pro Ser Gln Gly Arg Asn Ala Trp Ser				
	165		170	

<210> 1947
 <211> 407
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (193)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (357)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1947
Met Ala Ser Ala Leu Ser Tyr Val Ser Lys Phe Lys Ser Phe Val Ile
1 5 10 15
Leu Phe Val Thr Pro Leu Leu Leu Leu Pro Leu Val Ile Leu Met Pro
20 25 30
Ala Lys Val Cys Val Gln Tyr Met Lys Asp Thr Asn Met Leu Phe Leu
35 40 45
Gly Gly Leu Ile Val Ala Val Ala Val Glu Arg Trp Asn Leu His Lys
50 55 60
Arg Ile Ala Leu Arg Thr Leu Leu Trp Val Gly Ala Lys Pro Ala Arg
65 70 75 80
Leu Met Leu Gly Phe Met Gly Val Thr Ala Leu Leu Ser Met Trp Ile
85 90 95
Ser Asn Thr Ala Thr Thr Ala Met Met Val Pro Ile Val Glu Ala Ile
100 105 110
Leu Gln Gln Met Glu Ala Thr Ser Ala Ala Thr Glu Ala Gly Leu Glu
115 120 125

Leu	Val	Asp	Lys	Gly	Lys	Ala	Lys	Glu	Leu	Pro	Gly	Ser	Gln	Val	Ile		
	130					135					140						
Phe	Glu	Gly	Pro	Thr	Leu	Gly	Gln	Gln	Glu	Asp	Gln	Glu	Arg	Lys	Arg		
145					150					155					160		
Leu	Cys	Lys	Ala	Met	Thr	Leu	Cys	Ile	Cys	Tyr	Ala	Ala	Ser	Ile	Gly		
				165					170					175			
Gly	Thr	Ala	Thr	Leu	Thr	Gly	Thr	Gly	Pro	Asn	Val	Val	Leu	Leu	Gly		
			180					185					190				
Xaa	Met	Asn	Glu	Leu	Phe	Pro	Asp	Ser	Lys	Asp	Leu	Val	Asn	Phe	Ala		
		195					200					205					
Ser	Trp	Phe	Ala	Phe	Ala	Phe	Pro	Asn	Met	Leu	Val	Met	Leu	Leu	Phe		
	210					215					220						
Ala	Trp	Leu	Trp	Leu	Gln	Phe	Val	Tyr	Met	Arg	Phe	Lys	Tyr	Val	Ser		
225					230					235					240		
Asp	Ala	Thr	Val	Ala	Ile	Phe	Val	Ala	Thr	Leu	Leu	Phe	Ile	Val	Pro		
				245					250					255			
Ser	Gln	Lys	Pro	Lys	Phe	Asn	Phe	Arg	Ser	Gln	Thr	Glu	Glu	Glu	Arg		
			260					265					270				
Lys	Thr	Pro	Phe	Tyr	Pro	Pro	Pro	Leu	Leu	Asp	Trp	Lys	Val	Thr	Gln		
		275					280					285					
Glu	Lys	Val	Pro	Trp	Gly	Ile	Val	Leu	Leu	Leu	Gly	Gly	Gly	Phe	Ala		
	290					295					300						
Leu	Ala	Lys	Gly	Ser	Glu	Ala	Ser	Gly	Leu	Ser	Val	Trp	Met	Gly	Lys		
305					310					315					320		
Gln	Met	Glu	Pro	Leu	His	Ala	Val	Pro	Pro	Ala	Ala	Ile	Thr	Leu	Ile		
				325					330					335			
Leu	Ser	Leu	Leu	Val	Ala	Val	Phe	Thr	Glu	Cys	Thr	Ser	Asn	Val	Ala		
			340					345					350				
Thr	Thr	Thr	Leu	Xaa	Leu	Pro	Ile	Phe	Ala	Ser	Met	Val	Lys	Thr	Gly		
		355					360					365					
Val	Ile	Met	Asn	Ile	Ile	Gly	Val	Phe	Cys	Val	Phe	Leu	Ala	Val	Asn		
	370					375					380						
Thr	Trp	Gly	Arg	Ala	Ile	Phe	Asp	Leu	Asp	His	Phe	Pro	Asp	Trp	Ala		
385					390					395					400		

Asn Val Thr His Ile Glu Thr
405

<210> 1948

<211> 162

<212> PRT

<213> Homo sapiens

<400> 1948

Met Ala Ser Ala Leu Ser Tyr Val Ser Lys Phe Lys Ser Phe Val Ile
1 5 10 15

Leu Phe Val Thr Pro Leu Leu Leu Leu Pro Leu Val Ile Leu Met Pro
20 25 30

Ala Lys Val Cys Val Gln Tyr Met Lys Asp Thr Asn Met Leu Phe Leu
35 40 45

Gly Gly Leu Ile Val Ala Val Ala Val Glu Arg Trp Asn Leu His Lys
50 55 60

Arg Ile Ala Leu Arg Thr Leu Leu Trp Val Gly Ala Lys Pro Ala Arg
65 70 75 80

Leu Met Leu Gly Phe Met Gly Val Thr Ala Leu Leu Ser Met Trp Ile
85 90 95

Ser Asn Thr Ala Thr Thr Ala Met Met Val Pro Ile Val Glu Ala Ile
100 105 110

Leu Gln Gln Met Glu Ala Thr Ser Ala Ala Thr Glu Ala Gly Leu Glu
115 120 125

Leu Val Asp Lys Gly Lys Ala Lys Glu Leu Pro Gly Ser Gln Val Ile
130 135 140

Phe Glu Gly Pro Thr Leu Gly Gln Gln Glu Asp Gln Glu Arg Lys Arg
145 150 155 160

Leu Cys

<210> 1949

<211> 377

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (327)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1949

Met	Pro	Ala	Lys	Val	Cys	Val	Gln	Tyr	Met	Lys	Asp	Thr	Asn	Met	Leu
1				5					10					15	

Phe	Leu	Gly	Gly	Leu	Ile	Val	Ala	Val	Ala	Val	Glu	Arg	Trp	Asn	Leu
		20					25						30		

His	Lys	Arg	Ile	Ala	Leu	Arg	Thr	Leu	Leu	Trp	Val	Gly	Ala	Lys	Pro
		35					40					45			

Ala	Arg	Leu	Met	Leu	Gly	Phe	Met	Gly	Val	Thr	Ala	Leu	Leu	Ser	Met
	50					55					60				

Trp	Ile	Ser	Asn	Thr	Ala	Thr	Thr	Ala	Met	Met	Val	Pro	Ile	Val	Glu
65					70					75					80

Ala	Ile	Leu	Gln	Gln	Met	Glu	Ala	Thr	Ser	Ala	Ala	Thr	Glu	Ala	Gly
			85						90					95	

Leu	Glu	Leu	Val	Asp	Lys	Gly	Lys	Ala	Lys	Glu	Leu	Pro	Gly	Ser	Gln
		100						105					110		

Val	Ile	Phe	Glu	Gly	Pro	Thr	Leu	Gly	Gln	Gln	Glu	Asp	Gln	Glu	Arg
		115					120					125			

Lys	Arg	Leu	Cys	Lys	Ala	Met	Thr	Leu	Cys	Ile	Cys	Tyr	Ala	Ala	Ser
	130					135					140				

Ile	Gly	Gly	Thr	Ala	Thr	Leu	Thr	Gly	Thr	Gly	Pro	Asn	Val	Val	Leu
145					150					155					160

Leu	Gly	Gln	Met	Asn	Glu	Leu	Phe	Pro	Asp	Ser	Lys	Asp	Leu	Val	Asn
			165					170						175	

Phe	Ala	Ser	Trp	Phe	Ala	Phe	Ala	Phe	Pro	Asn	Met	Leu	Val	Met	Leu
		180						185					190		

Leu	Phe	Ala	Trp	Leu	Trp	Leu	Gln	Phe	Val	Tyr	Met	Arg	Phe	Lys	Tyr
		195					200					205			

Val	Ser	Asp	Ala	Thr	Val	Ala	Ile	Phe	Val	Ala	Thr	Leu	Leu	Phe	Ile
	210					215					220				

Val	Pro	Ser	Gln	Lys	Pro	Lys	Phe	Asn	Phe	Arg	Ser	Gln	Thr	Glu	Glu
225					230					235					240

Glu	Arg	Lys	Thr	Pro	Phe	Tyr	Pro	Pro	Pro	Leu	Leu	Asp	Trp	Lys	Val
				245					250					255	

Thr Gln Glu Lys Val Pro Trp Gly Ile Val Leu Leu Leu Gly Gly Gly
 260 265 270
 Phe Ala Leu Ala Lys Gly Ser Glu Ala Ser Gly Leu Ser Val Trp Met
 275 280 285
 Gly Lys Gln Met Glu Pro Leu His Ala Val Pro Pro Ala Ala Ile Thr
 290 295 300
 Leu Ile Leu Ser Leu Leu Val Ala Val Phe Thr Glu Cys Thr Ser Asn
 305 310 315 320
 Val Ala Thr Thr Thr Leu Xaa Leu Pro Ile Phe Ala Ser Met Val Lys
 325 330 335
 Thr Gly Val Ile Met Asn Ile Ile Gly Val Phe Cys Val Phe Leu Ala
 340 345 350
 Val Asn Thr Trp Gly Arg Ala Ile Phe Asp Leu Asp His Phe Pro Asp
 355 360 365
 Trp Ala Asn Val Thr His Ile Glu Thr
 370 375

<210> 1950

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1950

Met Ser Leu Leu Leu Leu Ser Val Leu Met Ser Pro Gly Ala Arg
 1 5 10 15

Pro Ser Asp Pro Val Glu Val Ile Ala Ser Gly Pro Thr Val Ala Ser

1		5		10		15											
Pro	Ser	Asp	Pro	Val	Glu	Val	Ile	Ala	Ser	Gly	Pro	Thr	Val	Ala	Ser		
			20					25					30				
Ser	His	Asn	Val	Gln	Asp	Cys	Leu	His	Ile	Leu	Asn	Arg	Tyr	Gly	Leu		
		35					40					45					
Arg	Ala	Ala	Leu	Pro	Arg	Ser	Val	Lys	Thr	Val	Leu	Ser	Arg	Ala	Asp		
	50					55					60						
Ser	Asp	Pro	His	Gly	Pro	His	Thr	Cys	Gly	His	Val	Leu	Asn	Val	Ile		
65					70					75					80		
Ile	Gly	Ser	Asn	Val	Leu	Ala	Leu	Ala	Glu	Ala	Gln	Arg	Gln	Ala	Glu		
			85						90					95			
Ala	Leu	Gly	Tyr	Gln	Ala	Val	Val	Leu	Ser	Ala	Ala	Met	Gln	Gly	Asp		
			100					105					110				
Val	Lys	Ser	Met	Ala	Gln	Phe	Tyr	Gly	Leu	Leu	Ala	His	Val	Ala	Arg		
		115					120					125					
Thr	Arg	Leu	Thr	Pro	Ser	Met	Ala	Gly	Ala	Ser	Val	Glu	Glu	Asp	Ala		
	130					135					140						
Gln	Leu	His	Glu	Leu	Ala	Ala	Glu	Leu	Gln	Ile	Pro	Asp	Leu	Gln	Leu		
145					150					155					160		
Glu	Glu	Ala	Leu	Glu	Thr	Met	Ala	Trp	Gly	Arg	Gly	Pro	Val	Cys	Leu		
			165						170					175			
Leu	Ala	Gly	Gly	Glu	Pro	Thr	Val	Gln	Leu	Gln	Gly	Ser	Gly	Arg	Gly		
			180					185					190				
Gly	Arg	Asn	Gln	Glu	Leu	Ala	Leu	Arg	Val	Gly	Ala	Glu	Leu	Arg	Arg		
		195					200					205					
Trp	Pro	Leu	Gly	Pro	Ile	Asp	Val	Leu	Phe	Leu	Ser	Gly	Gly	Thr	Asp		
	210					215					220						
Gly	Gln	Asp	Gly	Pro	Thr	Glu	Ala	Ala	Gly	Ala	Trp	Val	Thr	Pro	Glu		
225					230					235					240		
Leu	Ala	Ser	Gln	Ala	Ala	Ala	Glu	Gly	Leu	Asp	Ile	Ala	Thr	Phe	Leu		
			245					250						255			
Ala	His	Asn	Asp	Ser	His	Thr	Phe	Phe	Cys	Cys	Leu	Gln	Gly	Gly	Ala		
		260						265					270				
His	Leu	Leu	His	Thr	Gly	Met	Thr	Gly	Thr	Asn	Val	Met	Asp	Thr	His		
		275					280					285					

Leu Leu Phe Leu Arg Pro Arg
290 295

<210> 1953

<211> 116

<212> PRT

<213> Homo sapiens

<400> 1953

Met Trp Trp Ala Leu Cys Ser Met Leu Pro Leu Leu Gly Cys Ala Cys
1 5 10 15

Ser Ser Gly Cys Trp Gly Ser Gly Pro Thr Pro Leu Leu Ala Glu Pro
20 25 30

Thr Phe Leu Cys Val Ser Ser Arg Pro His Asn Pro Leu Ser Phe Leu
35 40 45

Ser Val Leu Pro Cys Ser Arg Gly Pro Gly Pro Ser Gly Leu Gln Gly
50 55 60

Asp Gly Ala Gly Leu Pro Ala His Leu Gly Pro Leu Ser Cys Ile Cys
65 70 75 80

Leu Pro Ser Leu Leu Cys Asp Leu Gly Glu Arg Gln Cys Pro Leu Trp
85 90 95

Ala Val Arg Ser Thr Gln Cys Leu Ile Ala Gly Lys Lys Val Leu Gln
100 105 110

Arg Leu Cys Pro
115

<210> 1954

<211> 116

<212> PRT

<213> Homo sapiens

<400> 1954

Met Trp Trp Ala Leu Cys Ser Met Leu Pro Leu Leu Gly Cys Ala Cys
1 5 10 15

Ser Ser Gly Cys Trp Gly Ser Gly Pro Thr Pro Leu Leu Ala Glu Pro
20 25 30

Thr Phe Leu Cys Val Ser Ser Arg Pro His Asn Pro Leu Ser Phe Leu
35 40 45

Ser Val Leu Pro Cys Ser Arg Gly Pro Gly Pro Ser Gly Leu Gln Gly
 50 55 60
 Asp Gly Ala Gly Leu Pro Ala His Leu Gly Pro Leu Ser Cys Ile Cys
 65 70 75 80
 Leu Pro Ser Leu Leu Cys Asp Leu Gly Glu Arg Gln Cys Pro Leu Trp
 85 90 95
 Ala Val Arg Ser Thr Gln Cys Leu Ile Ala Gly Lys Lys Val Leu Gln
 100 105 110
 Arg Leu Cys Pro
 115

<210> 1955
 <211> 116
 <212> PRT
 <213> Homo sapiens

<400> 1955
 Met Trp Trp Ala Leu Cys Ser Met Leu Pro Leu Leu Gly Cys Ala Cys
 1 5 10 15
 Ser Ser Gly Cys Trp Gly Ser Gly Pro Thr Pro Leu Leu Ala Glu Pro
 20 25 30
 Thr Phe Leu Cys Val Ser Ser Arg Pro His Asn Pro Leu Ser Phe Leu
 35 40 45
 Ser Val Leu Pro Cys Ser Arg Gly Pro Gly Pro Ser Gly Leu Gln Gly
 50 55 60
 Asp Gly Ala Gly Leu Pro Ala His Leu Gly Pro Leu Ser Cys Ile Cys
 65 70 75 80
 Leu Pro Ser Leu Leu Cys Asp Leu Gly Glu Arg Gln Cys Pro Leu Trp
 85 90 95
 Ala Val Arg Ser Thr Gln Cys Leu Ile Ala Gly Lys Lys Val Leu Gln
 100 105 110
 Arg Leu Cys Pro
 115

<210> 1956
 <211> 82

<212> PRT

<213> Homo sapiens

<400> 1956

Met	Ala	Ile	Pro	Pro	Phe	Ile	Met	Asn	Thr	Leu	Glu	Lys	Lys	Ala	Phe
1				5					10					15	

Leu	Lys	Arg	Phe	Pro	Trp	Met	Ser	Ala	Pro	Ile	Gln	Val	Gly	Leu	Val
			20					25					30		

Gly	Phe	Cys	Leu	Val	Phe	Ala	Thr	Pro	Leu	Cys	Cys	Ala	Leu	Phe	Pro
		35					40					45			

Gln	Lys	Ser	Ser	Met	Ser	Val	Thr	Ser	Leu	Glu	Ala	Glu	Leu	Gln	Ala
	50					55					60				

Lys	Ile	Gln	Glu	Ser	His	Pro	Glu	Leu	Arg	Arg	Val	Tyr	Phe	Asn	Lys
65					70					75					80

Gly Leu

<210> 1957

<211> 82

<212> PRT

<213> Homo sapiens

<400> 1957

Met	Ala	Ile	Pro	Pro	Phe	Ile	Met	Asn	Thr	Leu	Glu	Lys	Lys	Ala	Phe
1				5					10					15	

Leu	Lys	Arg	Phe	Pro	Trp	Met	Ser	Ala	Pro	Ile	Gln	Val	Gly	Leu	Val
			20					25					30		

Gly	Phe	Cys	Leu	Val	Phe	Ala	Thr	Pro	Leu	Cys	Cys	Ala	Leu	Phe	Pro
		35					40					45			

Gln	Lys	Ser	Ser	Met	Ser	Val	Thr	Ser	Leu	Glu	Ala	Glu	Leu	Gln	Ala
	50					55					60				

Lys	Ile	Gln	Glu	Ser	His	Pro	Glu	Leu	Arg	Arg	Val	Tyr	Phe	Asn	Lys
65					70					75					80

Gly Leu

<210> 1958

<211> 18

<212> PRT
<213> Homo sapiens

<400> 1958
Met Arg Phe Ser Glu Ala Trp Thr Ser Pro Trp Cys Met Thr Leu Leu
1 5 10 15

Thr Cys

<210> 1959
<211> 18
<212> PRT
<213> Homo sapiens

<400> 1959
Met Arg Phe Ser Glu Ala Trp Thr Ser Pro Trp Cys Met Thr Leu Leu
1 5 10 15

Thr Cys

<210> 1960
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1960
Met Ser Met Ala Met Gly Ser Xaa Thr Leu Leu Leu Gly Trp Gly Pro
1 5 10 15

Gly Pro Gly Trp Asp Cys Gly Val Met Arg Val Val Leu Cys Trp Leu
20 25 30

Pro Gly Gly Asn Cys Gln Gly Glu Ser Ser Thr
35 40

<210> 1961
<211> 79
<212> PRT
<213> Homo sapiens

<400> 1961

Ala	Glu	His	His	Gln	Leu	Ser	Gln	Val	Leu	Val	Thr	Cys	Leu	Gly	Thr
1				5					10					15	
Cys	Met	Glu	Pro	Glu	Pro	Leu	Thr	Pro	His	Pro	Arg	His	Tyr	Leu	Gly
			20					25					30		
Asp	Ala	Gln	Asp	Lys	Cys	Ser	Asn	Asp	Cys	Met	His	Cys	Leu	Ser	Ile
		35					40					45			
Gly	Gln	His	Glu	Leu	Pro	Ser	Tyr	Ser	Cys	Gln	Pro	Gly	Arg	Lys	Arg
	50					55					60				
Leu	Leu	Pro	His	His	Ser	Gln	Pro	Ser	Phe	Pro	Leu	Ala	Ser	Thr	
65					70					75					

<210> 1962

<211> 305

<212> PRT

<213> Homo sapiens

<400> 1962

Met	Pro	Ala	Asn	Phe	Thr	Glu	Gly	Ser	Phe	Asp	Ser	Ser	Gly	Thr	Gly
1				5					10					15	
Gln	Thr	Leu	Asp	Ser	Ser	Pro	Val	Ala	Cys	Thr	Glu	Thr	Val	Thr	Phe
			20					25					30		
Thr	Glu	Val	Val	Glu	Gly	Lys	Glu	Trp	Gly	Ser	Phe	Tyr	Tyr	Ser	Phe
		35					40					45			
Lys	Thr	Glu	Gln	Leu	Ile	Thr	Leu	Trp	Val	Leu	Phe	Val	Phe	Thr	Ile
		50				55					60				
Val	Gly	Asn	Ser	Val	Val	Leu	Phe	Ser	Thr	Trp	Arg	Arg	Lys	Lys	Lys
65					70					75					80
Ser	Arg	Met	Thr	Phe	Phe	Val	Thr	Gln	Leu	Ala	Ile	Thr	Glu	Lys	Gln
				85					90					95	
Ala	Arg	Val	Leu	Ile	Val	Ile	Ala	Trp	Ser	Leu	Ser	Phe	Leu	Phe	Ser
			100					105					110		
Ile	Pro	Thr	Leu	Ile	Ile	Phe	Gly	Lys	Arg	Thr	Leu	Ser	Asn	Gly	Glu
		115					120					125			
Val	Gln	Cys	Trp	Ala	Leu	Trp	Pro	Asp	Asp	Ser	Tyr	Trp	Thr	Pro	Tyr
	130					135					140				

Met Thr Ile Val Ala Phe Leu Val Tyr Phe Ile Pro Leu Thr Ile Ile
 145 150 155 160
 Ser Ile Met Tyr Gly Ile Val Ile Arg Thr Ile Trp Ile Lys Ser Lys
 165 170 175
 Thr Tyr Glu Thr Val Ile Ser Asn Cys Ser Asp Gly Lys Leu Cys Ser
 180 185 190
 Ser Tyr Asn Arg Gly Leu Ile Ser Lys Ala Lys Ile Lys Ala Ile Lys
 195 200 205
 Tyr Ser Ile Ile Ile Ile Leu Ala Phe Ile Cys Cys Trp Ser Pro Tyr
 210 215 220
 Phe Leu Phe Asp Ile Leu Asp Asn Phe Asn Leu Leu Pro Asp Thr Gln
 225 230 235 240
 Glu Arg Phe Tyr Ala Ser Val Ile Ile Gln Asn Leu Pro Ala Leu Asn
 245 250 255
 Ser Ala Ile Asn Pro Leu Ile Tyr Cys Val Phe Ser Ser Ser Ile Ser
 260 265 270
 Phe Pro Cys Arg Glu Gln Arg Ser Gln Asp Ser Arg Met Thr Phe Arg
 275 280 285
 Glu Arg Thr Glu Arg His Glu Met Gln Ile Leu Ser Lys Pro Glu Phe
 290 295 300
 Ile
 305

<210> 1963
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 1963
 Met Ser Met Ala Met Gly Ser Ser Thr Leu Leu Leu Gly Trp Gly Pro
 1 5 10 15
 Gly Pro Gly Trp Asp Cys Gly Val Met Arg Val Val Leu Cys Trp Leu
 20 25 30
 Pro Gly Gly Asn Cys Gln Gly Glu Ser Ser Thr
 35 40

<210> 1964
 <211> 161
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (104)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1964

Met	Pro	Thr	Thr	Leu	Pro	Ser	Asp	Leu	Met	Leu	Leu	Trp	Leu	Gly	Leu
1				5					10					15	
Pro	Ser	Leu	Pro	Ser	Pro	Val	Glu	Glu	Glu	Gly	Arg	Leu	Val	Lys	Gly
			20					25					30		
Leu	Arg	Leu	Thr	Leu	Ala	Ala	Pro	Ala	Ser	Glu	Val	Leu	Pro	Asp	Trp
		35					40					45			
Glu	Asp	Pro	Pro	Ser	His	Pro	Thr	Ala	Trp	Ala	Gln	Pro	Arg	Thr	His
	50					55					60				
Gln	Pro	Asp	Thr	Pro	Asn	Ser	Ile	Lys	Ser	Gly	Ile	Tyr	Ser	Pro	Cys
65					70					75					80
Gly	Gly	Ala	Val	Leu	Arg	Gly	Ala	Gly	Ala	Ile	Val	Leu	Arg	Lys	Glu
				85					90					95	
Val	Cys	Pro	Ser	Val	Arg	Leu	Xaa	Gly	Arg	Pro	Gly	Pro	Lys	Trp	Gly
			100					105					110		
Arg	Lys	Arg	Gly	Thr	Ala	Arg	Val	Lys	Ile	Pro	Ala	Tyr	Ser	Gly	Trp
		115					120					125			
Glu	Tyr	Val	Gln	Gly	Gly	Gly	Ala	Gln	Ala	Gly	Val	Gly	Ala	Gly	Gly
	130					135					140				
Pro	Ala	Ala	Ala	Ala	Pro	Thr	Arg	Gly	Pro	Pro	His	Leu	Gly	Pro	Tyr
145					150					155					160
Leu															

<210> 1965
 <211> 161
 <212> PRT
 <213> Homo sapiens

<400> 1965

Gln Tyr Glu His His Arg Gly Pro Gly Glu Gln Xaa Ala Ala Tyr Phe
35 40 45

Gln Ala Met Arg Phe Asn Ala Asn Met Ser Phe His Ala Gln Met Val
50 55 60

Ile Asn Glu Gly Glu Ala Phe Arg Glu Gly Gln Arg Thr Ile Pro Ala
65 70 75 80

Val Glu Arg Pro Gly Asn Ala Leu Arg Gln Arg Ser
85 90

<210> 1967
<211> 92
<212> PRT
<213> Homo sapiens

<400> 1967
Met Gly Pro Phe Ala Pro Thr Leu Leu Met Leu Leu Pro Pro Leu Leu
1 5 10 15

Met Leu Val Leu Tyr Gly Cys Trp Gln Ala Arg Gly Trp Ala Gly His
20 25 30

Gln Tyr Glu His His Arg Gly Pro Gly Glu Gln Ser Ala Ala Tyr Phe
35 40 45

Gln Ala Met Arg Phe Asn Ala Asn Met Ser Phe His Ala Gln Met Val
50 55 60

Ile Asn Glu Gly Glu Ala Phe Arg Glu Gly Gln Arg Thr Ile Pro Ala
65 70 75 80

Val Glu Arg Pro Gly Asn Ala Leu Arg Gln Arg Ser
85 90

<210> 1968
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1968
Met Trp Pro Arg Leu Ala Phe Cys Cys Trp Gly Leu Ala Leu Val Ser

1	5	10	15
Gly Trp Ala Xaa Phe Gln Gln Met Ser Pro Ser Arg Asn Phe Ser Phe	20	25	30
Arg Leu Phe Pro Glu Thr Ala Pro Gly Ala Pro Gly Ser Ile Pro Ala	35	40	45
Pro Pro Ala Pro Gly Asp Glu Ala Ala Gly Ser Arg Val Glu Arg Leu	50	55	60
Gly Gln Ala Phe Arg Arg Arg Val Arg Leu Leu Arg Glu Leu Asn Glu	65	70	75
Arg Leu Glu Leu Ala Ser Trp Trp Met Ile Arg Pro Ala Trp Ala Lys	85	90	95
Ser Thr Ser Ala Ala Ser Ser Cys Ser Ser Ala Ser Cys Cys Pro Thr	100	105	110
Phe Pro Trp Trp Pro Arg Ala Pro Arg Gly His Ser	115	120	

<210> 1969

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1969

Met Trp Pro Arg Leu Ala Phe Cys Cys Trp Gly Leu Ala Leu Val Ser	1	5	10	15
---	---	---	----	----

Gly Trp Ala Xaa Phe Gln Gln Met Ser Pro Ser Arg Asn Phe Ser Phe	20	25	30
---	----	----	----

Arg Leu Phe Pro Glu Thr Ala Pro Gly Ala Pro Gly Ser Ile Pro Ala
35 40 45

Pro Pro Ala Pro Gly Asp Glu Ala Ala Gly Ser Arg Val Glu Arg Leu
50 55 60

Gly Gln Ala Phe Arg Arg Arg Val Arg Leu Leu Arg Glu Leu Ser Arg
65 70 75 80

Ala Pro Gly Ala Cys Leu Pro Gly Gly
85

<210> 1971
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1971
Met His Val Lys Trp Xaa Leu Ile Met Phe Leu Ile Cys Ile Ser Leu
1 5 10 15

Glu Ser Asn Val Asn Gly Tyr Leu Phe Met Cys Leu Leu Phe Gly Tyr
20 25 30

Leu Leu Trp Arg Asn Val Tyr Pro Asn Leu Leu Pro Ile Leu Asn Phe
35 40 45

Asn Ser Cys Leu Leu Asp Leu Glu Leu Gln Glu Xaa Phe Val Tyr Ser
50 55 60

Lys Tyr Gln Thr Phe Asn Lys Tyr Met Ile Cys Lys Cys Phe Phe Ser
65 70 75 80

His Ala Val Cys Tyr Ser Phe Thr Phe Leu Ile Val Phe Phe Glu Ala
85 90 95

Gln Thr Phe

<210> 1972

<211> 99

<212> PRT

<213> Homo sapiens

<400> 1972

Met His Val Lys Trp Tyr Leu Ile Met Phe Leu Ile Cys Ile Ser Leu
1 5 10 15

Glu Ser Asn Val Asn Gly Tyr Leu Phe Met Cys Leu Leu Phe Gly Tyr
20 25 30

Leu Leu Trp Arg Asn Val Tyr Pro Asn Leu Leu Pro Ile Leu Asn Phe
35 40 45

Asn Ser Cys Leu Leu Asp Leu Glu Leu Gln Glu Phe Phe Val Tyr Ser
50 55 60

Lys Tyr Gln Thr Phe Asn Lys Tyr Met Ile Cys Lys Cys Phe Phe Ser
65 70 75 80

His Ala Val Cys Tyr Ser Phe Thr Phe Leu Ile Val Phe Phe Glu Ala
85 90 95

Gln Thr Phe

<210> 1973

<211> 153

<212> PRT

<213> Homo sapiens

<400> 1973

Met His Thr His Thr Leu Ser Leu Val Ser Leu Ser Leu Ser His Ser
1 5 10 15

Phe Leu Leu Ser Ser Gln Val Thr Cys Thr Leu Gly Phe Leu Val Glu
20 25 30

Ala His Leu Pro Pro Leu Arg Gly Val Pro Asp Cys Ile His His Asn
35 40 45

Pro Lys Thr Arg Val Gly Gly Asn Trp Arg Glu Gln Asn Thr Asp Leu
50 55 60

Ile Leu Val Ser Leu Leu Glu Thr Ser Ser Pro Lys Ala Arg Ser Leu
65 70 75 80

Lys Thr Asn Leu Leu Lys Thr Cys Leu Leu Lys Val Asn Asp Leu Met
85 90 95

Thr Asn Leu Pro Lys Ala Gln Phe Leu Phe Trp Cys Val Tyr Ile His
100 105 110

Leu Gly Val Leu Phe Phe Phe Val Met Leu Trp Ile Phe Gln Gly Phe
115 120 125

Ile Ser Ile His Pro Arg Val Leu Leu Ser Tyr Tyr Gln Gln His Lys
130 135 140

Phe Ile Lys Phe Ala Ala Leu Cys Lys
145 150

<210> 1974

<211> 153

<212> PRT

<213> Homo sapiens

<400> 1974

Met His Thr His Thr Leu Ser Leu Val Ser Leu Ser Leu Ser His Ser
1 5 10 15

Phe Leu Leu Ser Ser Gln Val Thr Cys Thr Leu Gly Phe Leu Val Glu
20 25 30

Ala His Leu Pro Pro Leu Arg Gly Val Pro Asp Cys Ile His His Asn
35 40 45

Pro Lys Thr Arg Val Gly Gly Asn Trp Arg Glu Gln Asn Thr Asp Leu
50 55 60

Ile Leu Val Ser Leu Leu Glu Thr Ser Ser Pro Lys Ala Arg Ser Leu
65 70 75 80

Lys Thr Asn Leu Leu Lys Thr Cys Leu Leu Lys Val Asn Asp Leu Met
85 90 95

Thr Asn Leu Pro Lys Ala Gln Phe Leu Phe Trp Cys Val Tyr Ile His
100 105 110

Leu Gly Val Leu Phe Phe Phe Val Met Leu Trp Ile Phe Gln Gly Phe
115 120 125

Ile Ser Ile His Pro Arg Val Leu Leu Ser Tyr Tyr Gln Gln His Lys
130 135 140

Phe Ile Lys Phe Ala Ala Leu Cys Lys
145 150

<210> 1975
 <211> 129
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (121)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1975
 Met Gln Ala Gly Lys Gly Leu Ala Gln Val Trp Gly Val Ala Thr Phe
 1 5 10 15

Val Gln Leu Cys Ala His Thr Val Phe Leu Ser Met Tyr Leu Cys Met
 20 25 30

His Ile Cys Phe Ala Ala Ile Ser Ser Lys Val Arg Val Arg Val Asn
 35 40 45

Ala Pro Phe Cys Val Ser Val Pro Leu Lys Val His Ala Pro Leu Ser
 50 55 60

Leu Gly Ile Lys Val Gly Leu Gln Gly Gln Lys His Gly Arg Ala Thr
 65 70 75 80

Gly Glu Ala Gly Met Pro Gln Gly Glu Met Leu Gly Lys Gln Glu Pro
 85 90 95

Gln Thr Xaa Ser Ser Pro Lys Pro Thr Xaa Arg Arg Glu Val Ser Arg
 100 105 110

Asn Glu Leu Asn Pro Val Ile Pro Xaa Ala Xaa Asn Pro Phe Xaa Lys
 115 120 125

Lys

<210> 1976
 <211> 467
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (151)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (160)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1976
 Leu Gly Pro Ala Gly Leu Arg Arg Arg Thr Lys Arg Arg Lys Arg Gly
 1 5 10 15

Asp Asn Ser Thr Asp Thr Thr Gln Gly Asp Pro Leu Ser Ile His His
 20 25 30

Tyr Phe His Gly Tyr Leu Ala Gly Phe Ser Val Arg Ser Gly Arg Leu
 35 40 45

Glu Ser Arg Glu Val Ile Glu Cys Leu Tyr Ala Cys Arg Glu Gly Leu
 50 55 60

Asp Tyr Arg Asp Phe Glu Ser Leu Gly Lys Gly Met Lys Val His Val
 65 70 75 80

Asn Pro Ser Gln Ser Leu Leu Thr Leu Glu Gly Asp Asp Val Glu Thr
 85 90 95

Phe Asn His Ala Leu Gln His Val Ala Tyr Met Asn Thr Leu Arg Phe
 100 105 110

Ala Thr Pro Gly Val Arg Pro Leu Arg Leu Thr Thr Ala Val Lys Cys
 115 120 125

Phe Ser Glu Glu Ser Cys Val Ser Ile Pro Glu Val Glu Gly Tyr Val

130					135					140					
Val	Val	Leu	Gln	Pro	Asp	Xaa	Pro	Gln	Ile	Leu	Leu	Ser	Gly	Thr	Xaa
145					150					155					160
His	Phe	Ala	Arg	Pro	Ala	Val	Asp	Phe	Glu	Gly	Thr	Asn	Gly	Val	Pro
				165					170					175	
Leu	Phe	Pro	Asp	Leu	Gln	Ile	Thr	Cys	Ser	Ile	Ser	His	Gln	Val	Glu
			180					185					190		
Ala	Lys	Lys	Asp	Glu	Ser	Trp	Gln	Gly	Thr	Val	Thr	Asp	Thr	Arg	Met
		195					200					205			
Ser	Asp	Glu	Ile	Val	His	Asn	Leu	Asp	Gly	Cys	Glu	Ile	Ser	Leu	Val
	210					215					220				
Gly	Asp	Asp	Leu	Asp	Pro	Glu	Arg	Glu	Ser	Leu	Leu	Leu	Asp	Thr	Thr
225					230					235					240
Ser	Leu	Gln	Gln	Arg	Gly	Leu	Glu	Leu	Thr	Asn	Thr	Ser	Ala	Tyr	Leu
				245					250					255	
Thr	Ile	Ala	Gly	Val	Glu	Ser	Ile	Thr	Val	Tyr	Glu	Glu	Ile	Leu	Arg
			260					265					270		
Gln	Ala	Arg	Tyr	Arg	Leu	Arg	His	Gly	Ala	Ala	Leu	Tyr	Thr	Arg	Lys
		275					280					285			
Phe	Arg	Leu	Ser	Cys	Ser	Glu	Met	Asn	Gly	Arg	Tyr	Ser	Ser	Asn	Glu
	290					295					300				
Phe	Ile	Val	Glu	Val	Asn	Val	Leu	His	Ser	Met	Asn	Arg	Val	Ala	His
305					310					315					320
Pro	Ser	His	Val	Leu	Ser	Ser	Gln	Gln	Phe	Leu	His	Arg	Gly	His	Gln
				325					330					335	
Pro	Pro	Pro	Glu	Met	Ala	Gly	His	Ser	Leu	Ala	Ser	Ser	His	Arg	Asn
			340					345					350		
Ser	Met	Ile	Pro	Ser	Ala	Ala	Thr	Leu	Ile	Ile	Val	Val	Cys	Val	Gly
	355						360					365			
Phe	Leu	Val	Leu	Met	Val	Val	Leu	Gly	Leu	Val	Arg	Ile	His	Ser	Leu
	370					375					380				
His	Arg	Arg	Val	Ser	Gly	Ala	Gly	Gly	Pro	Pro	Gly	Ala	Ser	Ser	Asp
385					390					395					400
Pro	Lys	Asp	Pro	Asp	Leu	Phe	Trp	Asp	Asp	Ser	Ala	Leu	Thr	Ile	Ile
				405					410					415	

Val Asn Pro Met Glu Ser Tyr Gln Asn Arg Gln Ser Cys Val Thr Gly
420 425 430

Ala Val Gly Gly Gln Gln Glu Asp Glu Asp Ser Ser Asp Ser Glu Val
435 440 445

Ala Asp Ser Pro Ser Ser Asp Glu Arg Arg Ile Ile Glu Thr Pro Pro
450 455 460

His Arg Tyr
465

<210> 1977

<211> 231

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1977

Met Gln Ala Gly Lys Gly Leu Ala Gln Val Trp Gly Val Ala Thr Phe
1 5 10 15

Val Gln Leu Cys Ala His Thr Val Phe Leu Ser Met Tyr Leu Cys Met
20 25 30

His Ile Cys Phe Ala Ala Ile Ser Ser Lys Val Arg Val Arg Val Asn
35 40 45

Ala Pro Phe Cys Val Ser Val Pro Leu Lys Val His Ala Pro Leu Ser
50 55 60

Leu Gly Ile Lys Val Gly Leu Gln Gly Gln Lys His Gly Arg Ala Thr
65 70 75 80

Gly Glu Ala Gly Met Pro Gln Gly Glu Met Leu Xaa Lys Gln Glu Pro

85										90					95															
Gln	Thr	Ser	Ser	Ser	Pro	Lys	Pro	Thr	Arg	Arg	Arg	Glu	Val	Ser	Arg															
			100						105					110																
Xaa	Glu	Leu	Xaa	Pro	Val	Ile	Pro	Ser	Ala	Ala	Thr	Leu	Ile	Ile	Val															
		115					120					125																		
Val	Cys	Val	Gly	Phe	Leu	Val	Leu	Met	Val	Val	Leu	Gly	Leu	Val	Arg															
	130					135					140																			
Ile	His	Ser	Leu	His	Arg	Arg	Val	Ser	Gly	Ala	Gly	Gly	Pro	Pro	Gly															
145					150					155					160															
Ala	Ser	Ser	Asp	Pro	Lys	Asp	Pro	Asp	Leu	Phe	Trp	Asp	Asp	Ser	Ala															
				165					170					175																
Leu	Thr	Ile	Ile	Val	Asn	Pro	Met	Glu	Ser	Tyr	Gln	Asn	Arg	Gln	Ser															
			180					185					190																	
Cys	Val	Thr	Gly	Ala	Val	Gly	Gly	Gln	Gln	Glu	Asp	Glu	Asp	Ser	Ser															
		195					200					205																		
Asp	Ser	Glu	Val	Ala	Asp	Ser	Pro	Ser	Ser	Asp	Glu	Arg	Arg	Ile	Ile															
	210					215					220																			
Glu	Thr	Pro	Pro	His	Arg	Tyr																								
225					230																									

<210> 1978

<211> 145

<212> PRT

<213> Homo sapiens

<400> 1978

Pro	Phe	Thr	Phe	Gln	His	Asp	Cys	Glu	Ala	Ser	Pro	Ala	Thr	Trp	Asn															
1				5					10					15																
Tyr	Leu	Arg	Arg	Met	Thr	Ala	Gly	Phe	Met	Gly	Met	Ala	Val	Ala	Ile															
			20					25					30																	
Ile	Leu	Phe	Gly	Trp	Ile	Ile	Gly	Val	Leu	Gly	Cys	Cys	Trp	Asp	Arg															
		35					40					45																		
Gly	Leu	Met	Gln	Tyr	Val	Ala	Gly	Leu	Leu	Phe	Leu	Met	Gly	Gly	Thr															
	50					55					60																			
Phe	Cys	Ile	Ile	Ser	Leu	Cys	Thr	Cys	Val	Ala	Gly	Ile	Asn	Phe	Glu															
65					70					75					80															

Leu Ser Arg Tyr Pro Arg Tyr Leu Tyr Gly Leu Pro Asp Asp Ile Ser
85 90 95

His Gly Tyr Gly Trp Ser Met Phe Cys Ala Trp Gly Gly Leu Gly Leu
100 105 110

Thr Leu Ile Ser Gly Phe Phe Cys Thr Leu Ala Pro Ser Val Gln Pro
115 120 125

Val Pro Arg Thr Asn Tyr Pro Lys Ser Arg Pro Glu Asn Gly Thr Val
130 135 140

Cys
145

<210> 1979

<211> 125

<212> PRT

<213> Homo sapiens

<400> 1979

Met Thr Ala Gly Phe Met Gly Met Ala Val Ala Ile Ile Leu Phe Gly
1 5 10 15

Trp Ile Ile Gly Val Leu Gly Cys Cys Trp Asp Arg Gly Leu Met Gln
20 25 30

Tyr Val Ala Gly Leu Leu Phe Leu Met Gly Gly Thr Phe Cys Ile Ile
35 40 45

Ser Leu Cys Thr Cys Val Ala Gly Ile Asn Phe Glu Leu Ser Arg Tyr
50 55 60

Pro Arg Tyr Leu Tyr Gly Leu Pro Asp Asp Ile Ser His Gly Tyr Gly
65 70 75 80

Trp Ser Met Phe Cys Ala Trp Gly Gly Leu Gly Leu Thr Leu Ile Ser
85 90 95

Gly Phe Phe Cys Thr Leu Ala Pro Ser Val Gln Pro Val Pro Arg Thr
100 105 110

Asn Tyr Pro Lys Ser Arg Pro Glu Asn Gly Thr Val Cys
115 120 125

<210> 1980

<211> 146

<212> PRT

<213> Homo sapiens

<400> 1980

Val	Pro	Phe	Thr	Phe	Gln	His	Asp	Cys	Glu	Ala	Ser	Pro	Ala	Thr	Trp	
1				5					10					15		
Asn	Tyr	Leu	Arg	Arg	Met	Thr	Ala	Gly	Phe	Met	Gly	Met	Ala	Val	Ala	
			20					25					30			
Ile	Ile	Leu	Phe	Gly	Trp	Ile	Ile	Gly	Val	Leu	Gly	Cys	Cys	Trp	Asp	
		35					40					45				
Arg	Gly	Leu	Met	Gln	Tyr	Val	Ala	Gly	Leu	Leu	Phe	Leu	Met	Gly	Gly	
	50					55						60				
Thr	Phe	Cys	Ile	Ile	Ser	Leu	Cys	Thr	Cys	Val	Ala	Gly	Ile	Asn	Phe	
	65				70					75					80	
Glu	Leu	Ser	Arg	Tyr	Pro	Arg	Tyr	Leu	Tyr	Gly	Leu	Pro	Asp	Asp	Ile	
				85					90					95		
Ser	His	Gly	Tyr	Gly	Trp	Ser	Met	Phe	Cys	Ala	Trp	Gly	Gly	Leu	Gly	
			100					105					110			
Leu	Thr	Leu	Ile	Ser	Gly	Phe	Phe	Cys	Thr	Leu	Ala	Pro	Ser	Val	Gln	
		115					120					125				
Pro	Val	Pro	Arg	Thr	Asn	Tyr	Pro	Lys	Ser	Arg	Pro	Glu	Asn	Gly	Thr	
	130					135					140					
Val	Cys															
145																

<210> 1981

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1981

Met	Cys	Ser	Met	Phe	Cys	Glu	Arg	Leu	Leu	Leu	Leu	Cys	His	Cys	Gln	
1				5					10					15		
Leu	Ser	Ile	Ala	Val	Phe	Met	Tyr	Trp	Val	His	Val	Thr	His	Leu	Ser	
			20					25					30			

Ser Val Arg Arg Ile Asn Tyr Xaa Phe Leu Ile Tyr Lys Lys Gly Met
 35 40 45
 Gln Leu Pro Ser Trp Tyr Pro Ser Ser Cys Pro Ala Ser Arg Lys Asn
 50 55 60
 Gln Val Thr Gly Met Asn Gly Arg Val Val Asn Val Glu Asp Phe Ile
 65 70 75 80
 Glu Gln Trp Lys Trp Leu Ser Val Gly Trp Gly Ala Arg Lys Gly Leu
 85 90 95
 Glu Trp Glu Asp Asp Leu Tyr Leu Glu Phe Gly His Pro
 100 105

<210> 1982
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 1982
 Met Cys Ser Met Phe Cys Glu Arg Leu Leu Leu Leu Cys His Cys Gln
 1 5 10 15
 Leu Ser Ile Ala Val Phe Met Tyr Trp Val His Val Thr His Leu Ser
 20 25 30
 Ser Val Arg Arg Ile Asn Tyr Val Phe Leu Ile Tyr Lys Lys Gly Met
 35 40 45
 Gln Leu Pro Ser Trp Tyr Pro Ser Ser Cys Pro Ala Ser Arg Lys Asn
 50 55 60
 Gln Val Thr Gly Met Asn Gly Arg Val Val Asn Val Glu Asp Phe Ile
 65 70 75 80
 Glu Gln Trp Lys Trp Leu Ser Val Gly Trp Gly Ala Arg Lys Gly Leu
 85 90 95
 Glu Trp Glu Asp Asp Leu Tyr Leu Glu Phe Gly His Pro
 100 105

<210> 1983
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1983

Met	Cys	Ser	Met	Phe	Cys	Glu	Arg	Leu	Leu	Leu	Leu	Cys	His	Cys	Gln
1				5				10				15			
Leu	Ser	Ile	Ala	Val	Phe	Met	Tyr	Trp	Val	His	Val	Thr	His	Leu	Ser
			20					25				30			
Ser	Val	Arg	Arg	Ile	Asn	Tyr	Xaa	Phe	Leu	Ile	Tyr	Lys	Lys	Gly	Met
		35					40					45			
Gln	Leu	Pro	Ser	Trp	Tyr	Pro	Ser	Ser	Cys	Pro	Ala	Ser	Arg	Lys	Asn
	50					55					60				
Gln	Val	Thr	Gly	Met	Asn	Gly	Arg	Val	Val	Asn	Val	Glu	Asp	Phe	Ile
65					70					75					80
Glu	Gln	Trp	Lys	Trp	Leu	Ser	Val	Gly	Trp	Gly	Ala	Arg	Lys	Gly	Leu
				85					90					95	
Glu	Trp	Glu	Asp	Asp	Leu	Tyr	Leu	Glu	Phe	Gly	His	Pro			
			100					105							

<210> 1984
 <211> 108
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1984

Gly	Ala	Cys	Arg	Gly	Ser	Ser	Glu	Pro	Gly	Ala	Thr	Pro	Arg	Pro	Asp
1				5				10				15			

Gly Glu Pro Arg Pro Leu Pro Gly Leu His Cys Ala Xaa Gly Met Pro
 20 25 30
 Thr Pro Leu Pro Xaa Ser Pro Leu Gly Leu Arg Ser Leu Arg Arg Val
 35 40 45
 Gly Trp Pro Val Arg Lys Gly Arg Val Gly Arg Ala Trp Gly Trp Ala
 50 55 60
 Gly Leu Cys Glu Glu Leu Gln Pro Gln Ala Pro Pro Cys His Glu Ser
 65 70 75 80
 Lys Arg Gly Arg Gly Ala Val Ala His Asp Cys Asn Pro Ser Thr Leu
 85 90 95
 Gly Gly Xaa Ser Gly Gln Ile Thr Arg Ser Gly Val
 100 105

<210> 1985

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1985

Met Lys Lys Phe Ser Tyr Ala Phe Leu Tyr Phe Pro Ser Leu Asn Phe
 1 5 10 15
 Thr Val Ser Thr Trp Leu Cys Thr Ala Leu Phe Leu Leu His Ser His
 20 25 30
 His Leu Leu Ala Xaa Cys Gly Ser Thr Phe Ala Gln Val Cys Leu Val
 35 40 45
 Ser Glu Ser Met Ser Pro Phe Leu Gly Arg Leu Cys Arg Thr Ser Val
 50 55 60
 Pro Cys Ala Gly Ala Thr Ala Phe Pro Ala Asp Ser Asp Arg His Cys
 65 70 75 80
 Asn Gly Phe Pro Ala Gly Ala Glu Val Thr Asn Arg Pro Ser Pro Trp
 85 90 95
 Arg Pro Leu Val Leu Leu Ile Pro Leu Arg Leu Gly Leu Thr Asp Ile
 100 105 110

Asn Glu Ala Tyr Val Glu Thr Leu Lys Val Gly Pro Ala Val Arg Arg
 115 120 125

Leu Pro
 130

<210> 1986
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1986
 Pro Ala Ser Gln Lys Ala Val Ser Ala Trp Arg Cys Pro Ala His Val
 1 5 10 15

<210> 1987
 <211> 130
 <212> PRT
 <213> Homo sapiens

<400> 1987
 Met Lys Lys Phe Ser Tyr Ala Phe Leu Tyr Phe Pro Ser Leu Asn Phe
 1 5 10 15

Thr Val Ser Thr Trp Leu Cys Thr Ala Leu Phe Leu Leu His Ser His
 20 25 30

His Leu Leu Ala Cys Cys Gly Ser Thr Phe Ala Gln Val Cys Leu Val
 35 40 45

Ser Glu Ser Met Ser Pro Phe Leu Gly Arg Leu Cys Arg Thr Ser Val
 50 55 60

Pro Cys Ala Gly Ala Thr Ala Phe Pro Ala Asp Ser Asp Arg His Cys
 65 70 75 80

Asn Gly Phe Pro Ala Gly Ala Glu Val Thr Asn Arg Pro Ser Pro Trp
 85 90 95

Arg Pro Leu Val Leu Leu Ile Pro Leu Arg Leu Gly Leu Thr Asp Ile
 100 105 110

Asn Glu Ala Tyr Val Glu Thr Leu Lys Val Gly Pro Ala Val Arg Arg
 115 120 125

Leu Pro
130

<210> 1988
<211> 202
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (195)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (200)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1988
Met Ala Leu Ser Gly Gly Leu Arg Cys Cys Arg Arg Val Leu Ser Trp
1 5 10 15
Val Pro Val Leu Val Ile Val Leu Val Val Leu Trp Ser Tyr Tyr Ala
20 25 30
Tyr Val Phe Glu Leu Cys Leu Val Thr Val Leu Ser Pro Ala Glu Lys
35 40 45
Val Ile Tyr Leu Ile Leu Tyr His Ala Ile Phe Val Phe Phe Thr Trp
50 55 60
Thr Tyr Trp Lys Ser Ile Phe Thr Leu Pro Gln Gln Pro Asn Gln Lys
65 70 75 80
Phe His Leu Ser Tyr Thr Asp Lys Glu Arg Tyr Glu Asn Glu Glu Arg
85 90 95
Pro Glu Val Gln Lys Gln Met Leu Val Asp Met Ala Lys Lys Leu Pro
100 105 110

Val	Tyr	Thr	Arg	Thr	Gly	Ser	Gly	Ala	Val	Arg	Phe	Cys	Asp	Arg	Cys		
		115					120					125					
His	Leu	Ile	Lys	Pro	Asp	Arg	Cys	His	His	Cys	Ser	Val	Cys	Ala	Met		
	130					135					140						
Cys	Val	Leu	Lys	Met	Asp	His	His	Cys	Pro	Trp	Val	Asn	Asn	Cys	Ile		
145					150					155					160		
Gly	Phe	Ser	Asn	Tyr	Lys	Phe	Phe	Leu	Gln	Phe	Leu	Ala	Tyr	Ser	Xaa		
			165						170					175			
Leu	Tyr	Cys	Leu	Xaa	Ile	Ala	Thr	Thr	Val	Phe	Ser	Tyr	Phe	Ile	Lys		
		180						185					190				
Tyr	Trp	Xaa	Gly	Glu	Leu	Pro	Xaa	Val	Ala								
	195						200										

<210> 1989
 <211> 96
 <212> PRT
 <213> Homo sapiens

<400> 1989																	
Lys	Pro	Asn	Gly	Lys	Asn	Ile	Ser	Phe	His	Ser	Ser	Tyr	Gln	Val	Lys		
1				5					10					15			
Gly	Asn	Ser	Glu	Asn	Phe	Leu	Arg	Val	Phe	Asn	Ser	Pro	Thr	Lys	Ile		
			20					25						30			
Ile	Asn	His	Ile	Tyr	Arg	Ala	Phe	Leu	Val	Leu	Lys	Gly	Ile	Lys	Leu		
		35					40					45					
His	Leu	Leu	Leu	Val	Cys	Val	Cys	Ile	Cys	Glu	His	Val	Gln	His	Ile		
	50					55					60						
Tyr	Thr	Lys	Phe	Cys	Tyr	Ser	Val	Lys	Ile	Arg	Ala	Lys	Asn	Leu	Lys		
65					70					75				80			
Pro	Leu	Phe	Asn	Tyr	Ala	Phe	Pro	Leu	Asn	Ser	Asn	Leu	Asn	Ile	Cys		
			85						90					95			

<210> 1990
 <211> 331
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1990

Met	Ala	Leu	Ser	Gly	Gly	Leu	Arg	Cys	Cys	Arg	Arg	Val	Leu	Ser	Trp	
1				5					10					15		
Val	Pro	Val	Leu	Val	Ile	Val	Leu	Val	Val	Leu	Trp	Ser	Tyr	Tyr	Ala	
			20					25						30		
Tyr	Val	Phe	Glu	Leu	Cys	Leu	Val	Thr	Val	Leu	Ser	Pro	Ala	Glu	Lys	
		35					40					45				
Val	Ile	Tyr	Leu	Ile	Leu	Tyr	His	Ala	Ile	Phe	Val	Phe	Phe	Thr	Trp	
	50					55					60					
Thr	Tyr	Trp	Lys	Ser	Ile	Phe	Thr	Leu	Pro	Gln	Gln	Pro	Asn	Gln	Lys	
65					70					75					80	
Phe	His	Leu	Ser	Tyr	Thr	Asp	Lys	Glu	Arg	Tyr	Glu	Asn	Glu	Glu	Arg	
				85					90					95		
Pro	Glu	Val	Gln	Lys	Gln	Met	Leu	Val	Asp	Met	Ala	Lys	Lys	Leu	Pro	
			100					105					110			
Val	Tyr	Thr	Arg	Thr	Gly	Ser	Gly	Ala	Val	Arg	Phe	Cys	Asp	Arg	Cys	
		115					120					125				
His	Leu	Ile	Lys	Pro	Asp	Arg	Cys	His	His	Cys	Ser	Val	Cys	Ala	Met	
	130					135					140					
Cys	Val	Leu	Lys	Met	Asp	His	His	Cys	Pro	Trp	Val	Asn	Asn	Cys	Ile	
145					150					155					160	
Gly	Phe	Ser	Asn	Tyr	Lys	Phe	Phe	Leu	Gln	Phe	Leu	Ala	Tyr	Ser	Xaa	
				165					170					175		
Leu	Tyr	Cys	Leu	Tyr	Ile	Ala	Thr	Thr	Val	Phe	Ser	Tyr	Phe	Ile	Lys	
			180					185					190			
Tyr	Trp	Arg	Gly	Glu	Leu	Pro	Ser	Val	Arg	Ser	Lys	Phe	His	Val	Leu	
		195					200					205				
Phe	Leu	Leu	Phe	Val	Ala	Cys	Met	Phe	Phe	Val	Ser	Leu	Val	Ile	Leu	
	210					215					220					
Phe	Gly	Tyr	His	Cys	Trp	Leu	Val	Ser	Arg	Asn	Lys	Thr	Thr	Leu	Glu	
225					230					235					240	

Ala Phe Cys Thr Pro Val Phe Thr Ser Gly Pro Glu Lys Asn Gly Phe
245 250 255

Asn Leu Gly Phe Ile Lys Asn Ile Gln Gln Val Phe Gly Asp Lys Lys
260 265 270

Lys Phe Trp Leu Ile Pro Ile Gly Ser Ser Pro Gly Asp Gly His Ser
275 280 285

Phe Pro Met Arg Ser Met Asn Glu Ser Gln Asn Pro Leu Leu Ala Asn
290 295 300

Glu Glu Thr Trp Glu Asp Asn Glu Asp Asp Asn Gln Asp Tyr Pro Glu
305 310 315 320

Gly Ser Ser Ser Leu Ala Val Glu Thr Glu Thr
325 330

<210> 1991

<211> 235

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (210)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (221)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1991

Met Trp Gly Leu Leu Leu Ala Leu Ala Ala Phe Ala Pro Ala Val Gly
1 5 10 15

Pro Ala Leu Gly Ala Pro Arg Asn Ser Val Leu Gly Leu Ala Gln Pro
20 25 30

<220>
 <221> SITE
 <222> (187)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (194)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1992
 Met Trp Gly Leu Leu Leu Ala Leu Ala Ala Phe Ala Pro Ala Val Gly
 1 5 10 15
 Pro Ala Leu Gly Ala Pro Arg Asn Ser Val Leu Gly Leu Ala Gln Pro
 20 25 30
 Gly Thr Thr Lys Val Pro Gly Ser Thr Pro Ala Leu His Ser Ser Pro
 35 40 45
 Ala Gln Pro Pro Ala Glu Thr Ala Asn Gly Thr Ser Glu Gln His Val
 50 55 60
 Arg Ile Arg Val Ile Lys Lys Lys Lys Val Ile Met Lys Lys Arg Lys
 65 70 75 80
 Lys Leu Thr Leu Thr Arg Pro Thr Pro Leu Val Thr Ala Gly Pro Leu
 85 90 95
 Val Thr Pro Thr Pro Ala Gly Thr Leu Asp Pro Ala Glu Lys Gln Glu
 100 105 110
 Thr Gly Cys Pro Pro Leu Gly Leu Glu Ser Leu Arg Val Ser Asp Ser
 115 120 125
 Arg Leu Glu Ala Ser Ser Ser Gln Ser Phe Gly Leu Gly Pro His Arg
 130 135 140
 Gly Arg Leu Asn Ile Gln Ser Gly Leu Glu Asp Gly Asp Leu Tyr Asp
 145 150 155 160
 Gly Ala Trp Cys Ala Glu Glu Gln Xaa Ala Asp Pro Trp Phe Gln Val
 165 170 175
 Asp Ala Gly His Pro Thr Arg Phe Ser Gly Xaa Ile Thr Gln Gly Arg
 180 185 190
 Asn Xaa Val Trp Arg
 195

<210> 1993
 <211> 197
 <212> PRT
 <213> Homo sapiens

<400> 1993

Met	Trp	Gly	Leu	Leu	Leu	Ala	Leu	Ala	Ala	Phe	Ala	Pro	Ala	Val	Gly
1				5					10					15	
Pro	Ala	Leu	Gly	Ala	Pro	Arg	Asn	Ser	Val	Leu	Gly	Leu	Ala	Gln	Pro
			20				25						30		
Gly	Thr	Thr	Lys	Val	Pro	Gly	Ser	Thr	Pro	Ala	Leu	His	Ser	Ser	Pro
		35					40					45			
Ala	Gln	Pro	Pro	Ala	Glu	Thr	Ala	Asn	Gly	Thr	Ser	Glu	Gln	His	Val
	50					55					60				
Arg	Ile	Arg	Val	Ile	Lys	Lys	Lys	Lys	Val	Ile	Met	Lys	Lys	Arg	Lys
65					70					75					80
Lys	Leu	Thr	Leu	Thr	Arg	Pro	Thr	Pro	Leu	Val	Thr	Ala	Gly	Pro	Leu
				85					90					95	
Val	Thr	Pro	Thr	Pro	Ala	Gly	Thr	Leu	Asp	Pro	Ala	Glu	Lys	Gln	Glu
			100					105					110		
Thr	Gly	Cys	Pro	Pro	Leu	Gly	Leu	Glu	Ser	Leu	Arg	Val	Ser	Asp	Ser
		115					120					125			
Arg	Leu	Glu	Ala	Ser	Ser	Ser	Gln	Ser	Phe	Gly	Leu	Gly	Pro	His	Arg
	130					135					140				
Gly	Arg	Leu	Asn	Ile	Gln	Ser	Gly	Leu	Glu	Asp	Gly	Asp	Leu	Tyr	Asp
145					150					155					160
Gly	Ala	Trp	Cys	Ala	Glu	Glu	Gln	Asp	Ala	Asp	Pro	Trp	Phe	Gln	Val
				165					170					175	
Asp	Ala	Gly	His	Pro	Thr	Arg	Phe	Ser	Gly	Val	Ile	Thr	Gln	Gly	Arg
			180					185					190		
Asn	Ser	Val	Trp	Arg											
			195												

<210> 1994
 <211> 241
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (229)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (230)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (236)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1994
 Met Ala Leu Arg Leu Leu Arg Arg Ala Ala Arg Gly Ala Ala Ala Ala
 1 5 10 15
 Ala Leu Leu Arg Leu Lys Ala Ser Leu Ala Ala Asp Ile Pro Arg Leu
 20 25 30
 Gly Tyr Ser Ser Ser Ser His His Lys Tyr Ile Pro Arg Arg Ala Val
 35 40 45
 Leu Tyr Val Pro Gly Asn Asp Glu Lys Lys Ile Lys Lys Ile Pro Ser
 50 55 60
 Leu Asn Val Asp Cys Ala Val Leu Asp Cys Glu Asp Gly Val Ala Ala
 65 70 75 80
 Asn Lys Lys Asn Glu Ala Arg Leu Arg Ile Val Lys Thr Leu Glu Asp
 85 90 95
 Ile Asp Leu Gly Pro Thr Glu Lys Cys Val Arg Val Asn Ser Val Ser
 100 105 110
 Ser Gly Leu Ala Glu Glu Asp Leu Glu Thr Leu Leu Gln Ser Arg Val
 115 120 125
 Leu Pro Ser Ser Leu Met Leu Pro Lys Val Glu Ser Pro Glu Glu Ile
 130 135 140
 Gln Trp Phe Ala Asp Lys Phe Ser Phe His Leu Lys Gly Arg Lys Leu
 145 150 155 160
 Glu Gln Pro Met Asn Leu Ile Pro Phe Val Glu Thr Ala Met Gly Leu
 165 170 175
 Leu Asn Phe Lys Ala Val Cys Glu Glu Thr Leu Lys Val Gly Pro Gln
 180 185 190

Val Gly Leu Phe Leu Asp Ala Val Val Phe Gly Gly Glu Asp Phe Arg
195 200 205

Ala Ser Ile Gly Ala Thr Ser Ser Lys Glu Thr Leu Gly Tyr Ser Leu
210 215 220

Arg Pro Ala Lys Xaa Xaa Cys His Ser Glu Thr Xaa Trp Val Ser Lys
225 230 235 240

Pro

<210> 1995
<211> 340
<212> PRT
<213> Homo sapiens

<400> 1995
Met Ala Leu Arg Leu Leu Arg Arg Ala Ala Arg Gly Ala Ala Ala Ala
1 5 10 15

Ala Leu Leu Arg Leu Lys Ala Ser Leu Ala Ala Asp Ile Pro Arg Leu
20 25 30

Gly Tyr Ser Ser Ser Ser His His Lys Tyr Ile Pro Arg Arg Ala Val
35 40 45

Leu Tyr Val Pro Gly Asn Asp Glu Lys Lys Ile Lys Lys Ile Pro Ser
50 55 60

Leu Asn Val Asp Cys Ala Val Leu Asp Cys Glu Asp Gly Val Ala Ala
65 70 75 80

Asn Lys Lys Asn Glu Ala Arg Leu Arg Ile Val Lys Thr Leu Glu Asp
85 90 95

Ile Asp Leu Gly Pro Thr Glu Lys Cys Val Arg Val Asn Ser Val Ser
100 105 110

Ser Gly Leu Ala Glu Glu Asp Leu Glu Thr Leu Leu Gln Ser Arg Val
115 120 125

Leu Pro Ser Ser Leu Met Leu Pro Lys Val Glu Ser Pro Glu Glu Ile
130 135 140

Gln Trp Phe Ala Asp Lys Phe Ser Phe His Leu Lys Gly Arg Lys Leu
145 150 155 160

Glu Gln Pro Met Asn Leu Ile Pro Phe Val Glu Thr Ala Met Gly Leu
165 170 175

Leu Asn Phe Lys Ala Val Cys Glu Glu Thr Leu Lys Val Gly Pro Gln
 180 185 190
 Val Gly Leu Phe Leu Asp Ala Val Val Phe Gly Gly Glu Asp Phe Arg
 195 200 205
 Ala Ser Ile Gly Ala Thr Ser Ser Lys Glu Thr Leu Asp Ile Leu Tyr
 210 215 220
 Ala Arg Gln Lys Ile Val Val Ile Ala Lys Ala Phe Gly Leu Gln Ala
 225 230 235 240
 Val Asp Leu Val Tyr Ile Asp Phe Arg Asp Gly Ala Gly Leu Leu Arg
 245 250 255
 Gln Ser Arg Glu Gly Ala Ala Met Gly Phe Thr Gly Lys Gln Val Ile
 260 265 270
 His Pro Asn Gln Ile Ala Val Val Gln Glu Gln Phe Ser Pro Ser Pro
 275 280 285
 Glu Lys Ile Lys Trp Ala Glu Glu Leu Ile Ala Ala Phe Lys Glu His
 290 295 300
 Gln Gln Leu Gly Lys Gly Ala Phe Thr Phe Gln Gly Ser Met Ile Asp
 305 310 315 320
 Met Pro Leu Leu Lys Gln Ala Gln Asn Thr Val Thr Leu Ala Thr Ser
 325 330 335
 Ile Lys Glu Lys
 340

<210> 1996
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 1996
 Met Ser Pro Pro Pro Pro Leu Leu Leu Leu Leu Leu Leu Ser Leu Ala
 1 5 10 15
 Leu Leu Gly Ala Arg Ala Arg Ala Glu Pro Ala Gly Ser Ala Val Pro
 20 25 30
 Ala Gln Ser Arg Pro Cys Val Asp Cys His Ala Phe Glu Phe Met Gln
 35 40 45
 Arg Ala Leu Gln Asp Leu Arg Lys Thr Ala Cys Ser Leu Asp Ala Arg

50 55 60
 Thr Glu Thr Leu Leu Leu Gln Ala Glu Arg Arg Ala Leu Cys Ala Cys
 65 70 75 80

Trp Pro Ala Gly His
 85

<210> 1997
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 1997
 Met Ala Pro Pro Pro Ala Cys Arg Ser Pro Met Ser Pro Pro Pro Pro
 1 5 10 15

Leu Leu Leu Leu Leu Leu Leu Ser Leu Ala Leu Leu Gly Ala Arg Ala
 20 25 30

Arg Ala Glu Pro Ala Gly Ser Ala Val Pro Ala Gln Ser Arg Pro Cys
 35 40 45

Val Asp Cys His Ala Phe Glu Phe Met Gln Arg Ala Leu Gln Asp Leu
 50 55 60

Arg Lys Thr Ala Cys Ser Leu Asp Ala Arg Thr Glu Thr Leu Leu Leu
 65 70 75 80

Gln Ala Glu Arg Arg Ala Leu Cys Ala Cys Trp Pro Ala Gly His
 85 90 95

<210> 1998
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (76)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (79)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (80)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1998
 Met Leu Cys Met Gln Thr Val Met Pro Gln His Thr Tyr Leu Gln His
 1 5 10 15
 Leu Val Phe Gly Phe Cys Leu Leu Ile Leu Cys Ile Asn Leu Ser Val
 20 25 30
 Leu Ala His Arg Tyr Thr Leu Cys Tyr Phe Ser Met Thr Gly Glu Tyr
 35 40 45
 Ser Ile Ile Asn Gly Gln Leu Leu Val Tyr Leu Ser Asn Leu Ser Ala
 50 55 60
 Gln Trp Lys Tyr Arg Tyr Phe Gln Thr Leu Leu Xaa Leu Xaa Xaa Xaa
 65 70 75 80
 Gly Val Val Xaa

<210> 1999
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 1999
 Met Leu Cys Met Gln Thr Val Met Pro Gln His Thr Tyr Leu Gln His
 1 5 10 15
 Leu Val Phe Gly Phe Cys Leu Leu Ile Leu Cys Ile Asn Leu Ser Val
 20 25 30
 Leu Ala His Arg Tyr Thr Leu Cys Tyr Phe Ser Met Thr Gly Glu Tyr
 35 40 45
 Ser Ile Ile Asn Gly Gln Leu Leu Val Tyr Leu Ser Asn Leu Ser Ala
 50 55 60

Gln Trp Lys Tyr Arg Tyr Phe Gln Thr Leu Leu Val Leu Lys Lys Lys
 65 70 75 80

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 85 90 95

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 100 105

<210> 2000

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2000

Met Leu Cys Met Gln Thr Val Met Pro Gln His Thr Tyr Leu Gln His
 1 5 10 15

Leu Val Phe Gly Phe Cys Leu Leu Ile Leu Cys Ile Asn Leu Ser Val
 20 25 30

Leu Ala His Arg Tyr Thr Leu Cys Tyr Phe Ser Met Thr Gly Glu Tyr
 35 40 45

Ser Ile Ile Asn Gly Gln Leu Leu Val Tyr Leu Ser Asn Leu Ser Ala
 50 55 60

Gln Trp Lys Tyr Arg Tyr Phe Gln Thr Leu Leu Xaa Leu Lys Lys Lys
 65 70 75 80

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 85 90 95

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Lys Lys
 100 105

<210> 2001

<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2001

Met	Pro	Leu	Ala	Pro	Ser	Pro	Val	Met	Leu	Ile	Leu	Val	Ile	Leu	Leu
1				5				10					15		
Leu	Phe	Cys	Pro	Ser	Phe	Gln	Phe	Leu	Pro	Ile	Ser	Phe	Tyr	Ser	Phe
			20					25					30		
Asn	Val	Tyr	Ala	Phe	Ala	Phe	Ser	Gly	Ile	Ser	Pro	Pro	Ser	Cys	Leu
		35					40					45			
His	Gly	Trp	Leu	His	Phe	Ile	Gln	Ser	Ser	Phe	Phe	Leu	Xaa	Tyr	Ser
	50					55					60				
Asp	Asn	Ile	Leu	Val	Ser	Pro	Ser	Leu	Tyr	Leu					
65					70					75					

<210> 2002
<211> 75
<212> PRT
<213> Homo sapiens

<400> 2002

Met	Pro	Leu	Ala	Pro	Ser	Pro	Val	Met	Leu	Ile	Leu	Val	Ile	Leu	Leu
1				5				10					15		
Leu	Phe	Cys	Pro	Ser	Phe	Gln	Phe	Leu	Pro	Ile	Ser	Phe	Tyr	Ser	Phe
			20					25					30		
Asn	Val	Tyr	Ala	Phe	Ala	Phe	Ser	Gly	Ile	Ser	Pro	Pro	Ser	Cys	Leu
		35					40					45			
His	Gly	Trp	Leu	His	Phe	Ile	Gln	Ser	Ser	Phe	Phe	Leu	Leu	Tyr	Ser
	50					55					60				
Asp	Asn	Ile	Leu	Phe	Ser	Pro	Ser	Leu	Tyr	Leu					
65					70					75					

<210> 2003
<211> 147

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2003

Met	Trp	Leu	Trp	Val	Trp	Leu	Ile	His	Thr	Leu	His	Ser	Gly	Leu	Gln	
1				5					10					15		
Lys	Pro	Arg	Glu	Arg	Ser	Leu	Pro	Glu	Ala	Thr	Phe	Gln	Asn	Leu	Leu	
			20					25					30			
His	Pro	Pro	Thr	Asp	Leu	Pro	Ser	Pro	Cys	Pro	Leu	Phe	Glu	Ser	Arg	
			35				40					45				
Cys	Gln	Val	Leu	Pro	Ala	Asp	Thr	Trp	Leu	Leu	Glu	Gly	Arg	Cys	Ser	
	50					55					60					
Phe	His	Leu	Thr	Met	Gln	Ala	Cys	Phe	Ala	Val	Gly	Arg	Ala	Val	Leu	
65					70					75					80	
Ser	Ser	Ser	Gln	Leu	His	Thr	Gly	Ile	Thr	Trp	Arg	Val	Gln	Lys	Leu	
			85						90					95		
Pro	Ala	Ser	Val	Lys	Glu	His	Gln	Cys	Ile	Ser	Thr	Ala	Asn	Ile	Pro	
			100					105					110			
Asn	Ala	Arg	Leu	Asp	Ser	Xaa	Gln	Leu	Pro	Gly	Pro	Pro	Gly	Phe	Ser	
			115				120					125				
Ser	Phe	Gln	Glu	Leu	Ser	Asp	Pro	Gly	Ser	Ser	Leu	Asn	Val	Gly	Tyr	
	130					135					140					
Lys	Leu	Thr														
145																

<210> 2004
<211> 147
<212> PRT
<213> Homo sapiens

<400> 2004

Met	Trp	Leu	Trp	Val	Trp	Leu	Ile	His	Thr	Leu	His	Ser	Gly	Leu	Gln	
1				5					10					15		
Lys	Pro	Arg	Glu	Arg	Ser	Leu	Pro	Glu	Ala	Thr	Phe	Gln	Asn	Leu	Leu	
			20					25					30			

His Pro Pro Thr Asp Leu Pro Ser Pro Cys Pro Leu Phe Glu Ser Arg
 35 40 45
 Cys Gln Val Leu Pro Ala Asp Thr Trp Leu Leu Glu Gly Arg Cys Ser
 50 55 60
 Phe His Leu Thr Met Gln Ala Cys Phe Ala Val Gly Arg Ala Val Leu
 65 70 75 80
 Ser Ser Ser Gln Leu His Thr Gly Ile Thr Trp Arg Val Gln Lys Leu
 85 90 95
 Pro Ala Ser Val Lys Glu His Gln Cys Ile Ser Thr Ala Asn Ile Pro
 100 105 110
 Asn Ala Arg Leu Asp Ser Leu Gln Leu Pro Gly Pro Pro Gly Phe Ser
 115 120 125
 Ser Phe Gln Glu Leu Ser Asp Pro Gly Ser Ser Leu Asn Val Gly Tyr
 130 135 140
 Lys Leu Thr
 145

<210> 2005
 <211> 147
 <212> PRT
 <213> Homo sapiens

<400> 2005
 Met Trp Leu Trp Val Trp Leu Ile His Thr Leu His Ser Gly Leu Gln
 1 5 10 15
 Lys Pro Arg Glu Arg Ser Leu Pro Glu Ala Thr Phe Gln Asn Leu Leu
 20 25 30
 His Pro Pro Thr Asp Leu Pro Ser Pro Cys Pro Leu Phe Glu Ser Arg
 35 40 45
 Cys Gln Val Leu Pro Ala Asp Thr Trp Leu Leu Glu Gly Arg Cys Ser
 50 55 60
 Phe His Leu Thr Met Gln Ala Cys Phe Ala Val Gly Arg Ala Val Leu
 65 70 75 80
 Ser Ser Ser Gln Leu His Thr Gly Ile Thr Trp Arg Val Gln Lys Leu
 85 90 95
 Pro Ala Ser Val Lys Glu His Gln Cys Ile Ser Thr Ala Asn Ile Pro

	100		105		110										
Asn	Ala	Arg	Leu	Asp	Ser	Leu	Gln	Leu	Pro	Gly	Pro	Pro	Gly	Phe	Ser
	115						120					125			
Ser	Phe	Gln	Glu	Leu	Ser	Asp	Pro	Gly	Ser	Ser	Leu	Asn	Val	Gly	Tyr
	130					135					140				
Lys	Leu	Thr													
145															

<210> 2006
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 2006															
Gln	Gly	Tyr	Phe	Arg	Met	Asp	Ser	Ser	Ala	Thr	Gln	Phe	His	Ile	Glu
1				5					10					15	
Thr	His	Glu	Asn	Thr	Ser	Gly	Leu	Trp	Ser	Ile	Trp	Tyr	Arg	Asn	His
			20					25					30		
Phe	Asp	Arg	Ser	Val	Val	Leu	Asn	Asp	Val	Phe	Leu	Ser	Lys	Glu	Thr
		35					40					45			
Lys	His	Met	Leu	Lys	Ile	Leu	Asn	Phe	Thr	Gly	Pro	Leu	Phe	Leu	Pro
	50					55					60				
Pro	Gly	Cys	Trp	Asn	Ile	Phe	Ser	Leu	Lys	Leu	Ala	Val	Lys	Asp	Ile
65				70						75					80
Ala	Ile	Asn	Leu	Phe	Thr	Asn	Val	Phe	Leu	Thr	Thr	Asn	Ile	Gly	Ala
				85					90					95	
Ile	Phe	Ala	Ile	Pro	Leu	Gln	Ile	Ser	His	Cys	Leu	Glu	Thr	Arg	Val
			100				105						110		
Thr	Val	Gly	Met	Cys	Glu	Asn	Asn	Trp	Ile	Phe	Lys	Gln	Cys	Glu	
		115					120					125			

<210> 2007
 <211> 221
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 2007
 Lys Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr
 1 5 10 15
 Arg Pro Gly Asp Leu Trp Pro Thr Xaa Xaa Val Cys Val Thr Ser Ser
 20 25 30
 Leu Xaa Cys Thr Leu Glu Asn Gly Val Pro Cys Val Ile Gln Glu Ser
 35 40 45
 Ala Pro Val His Asn Ser Phe Ile Asp Trp Ser Ala Thr Cys Glu Gly
 50 55 60
 Gln Phe Ser Ser Ala Tyr Cys Pro Leu Glu Leu Asn Asp Tyr Asn Ala
 65 70 75 80
 Phe Pro Glu Glu Asn Met Asn Tyr Ala Asn Gly Phe Pro Cys Pro Ala
 85 90 95
 Asp Val Gln Thr Asp Phe Ile Asp His Asn Ser Gln Ser Thr Trp Asn
 100 105 110
 Thr Pro Pro Asn Met Pro Ala Ala Trp Gly His Ala Ser Phe Ile Ser
 115 120 125
 Ser Pro Pro Tyr Leu Thr Ser Thr Arg Ser Leu Ser Pro Met Ser Gly
 130 135 140
 Leu Phe Gly Ser Ile Trp Ala Pro Gln Ser Asp Val Tyr Glu Asn Cys
 145 150 155 160
 Cys Pro Ile Asn Pro Thr Thr Glu His Ser Thr His Met Glu Asn Gln
 165 170 175
 Ala Val Val Cys Lys Glu Tyr Tyr Pro Gly Phe Asn Pro Phe Arg Ala
 180 185 190
 Tyr Met Asn Leu Asp Ile Trp Thr Thr Thr Ala Asn Arg Asn Ala Asn
 195 200 205

Phe Pro Leu Ser Arg Asp Ser Ser Tyr Cys Gly Asn Val
 210 215 220

<210> 2008
 <211> 166
 <212> PRT
 <213> Homo sapiens

<400> 2008
 Met Ala Gly Leu Arg Arg Pro Gln Pro Gly Cys Tyr Cys Arg Thr Ala
 1 5 10 15
 Ala Ala Val Asn Leu Leu Leu Gly Val Phe Gln Val Leu Leu Pro Cys
 20 25 30
 Cys Arg Pro Gly Gly Ala Gln Gly Gln Ala Ile Glu Pro Leu Pro Asn
 35 40 45
 Val Val Glu Leu Trp Gln Ala Glu Glu Gly Glu Leu Leu Leu Pro Thr
 50 55 60
 Gln Gly Asp Ser Glu Glu Gly Leu Glu Glu Pro Ser Gln Glu Gln Ser
 65 70 75 80
 Phe Ser Asp Lys Leu Phe Ser Gly Lys Gly Leu His Phe Gln Pro Ser
 85 90 95
 Val Leu Asp Phe Gly Ile Gln Phe Leu Gly His Pro Val Ala Lys Ile
 100 105 110
 Leu His Ala Tyr Asn Pro Ser Arg Asp Ser Glu Val Val Val Asn Ser
 115 120 125
 Val Phe Ala Ala Ala Gly His Phe His Val Pro Pro Val Pro Cys Arg
 130 135 140
 Val Ile Pro Ala Met Gly Lys Thr Ser Ser Glu Leu Phe Ser Tyr Leu
 145 150 155 160
 Thr Glu Glu Gly Ser Ile
 165

<210> 2009
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 2009

Ile	Pro	Cys	Thr	Arg	Pro	Leu	Gly	Phe	Pro	Cys	Gly	Ser	Asn	Val	Pro
1				5					10					15	

Trp Trp Gly

<210> 2010

<211> 511

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (358)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (388)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2010

Met	Ala	Gly	Leu	Arg	Arg	Pro	Gln	Pro	Gly	Cys	Tyr	Cys	Arg	Thr	Ala
1				5					10					15	

Ala	Ala	Val	Asn	Leu	Leu	Leu	Gly	Val	Phe	Gln	Val	Leu	Leu	Pro	Cys
			20					25						30	

Cys	Arg	Pro	Gly	Gly	Ala	Gln	Gly	Gln	Ala	Ile	Glu	Pro	Leu	Pro	Asn
		35					40						45		

Val	Val	Glu	Leu	Trp	Gln	Ala	Glu	Glu	Gly	Glu	Leu	Leu	Leu	Pro	Thr
	50					55					60				

Gln	Gly	Asp	Ser	Glu	Glu	Gly	Leu	Glu	Glu	Pro	Ser	Gln	Glu	Gln	Ser
65					70					75					80

Phe	Ser	Asp	Lys	Leu	Phe	Ser	Gly	Lys	Gly	Leu	His	Phe	Gln	Pro	Ser
				85					90					95	

Val	Leu	Asp	Phe	Gly	Ile	Gln	Phe	Leu	Gly	His	Pro	Val	Ala	Lys	Ile
			100					105					110		

Leu His Ala Tyr Asn Pro Ser Arg Asp Ser Glu Val Val Val Asn Ser

Thr	His	Glu	Asn	Thr	Ser	Gly	Leu	Trp	Ser	Ile	Trp	Tyr	Arg	Asn	His
				405					410					415	
Phe	Asp	Arg	Ser	Val	Val	Leu	Asn	Asp	Val	Phe	Leu	Ser	Lys	Glu	Thr
			420					425					430		
Lys	His	Met	Leu	Lys	Ile	Leu	Asn	Phe	Thr	Gly	Pro	Leu	Phe	Leu	Pro
		435					440					445			
Pro	Gly	Cys	Trp	Asn	Ile	Phe	Ser	Leu	Lys	Leu	Ala	Val	Lys	Asp	Ile
	450					455					460				
Ala	Ile	Asn	Leu	Phe	Thr	Asn	Val	Phe	Leu	Thr	Thr	Asn	Ile	Gly	Ala
465					470					475					480
Ile	Phe	Ala	Ile	Pro	Leu	Gln	Ile	Ser	His	Cys	Leu	Glu	Thr	Arg	Val
				485					490					495	
Thr	Val	Gly	Met	Cys	Glu	Asn	Asn	Trp	Ile	Phe	Lys	Gln	Cys	Glu	
			500					505					510		

<210> 2011
 <211> 317
 <212> PRT
 <213> Homo sapiens

<400> 2011															
Met	Ile	Ala	Leu	Leu	Lys	Ile	Leu	Leu	Ala	Ala	Ala	Pro	Thr	Ser	Lys
1				5					10					15	
Ala	Lys	Thr	Asp	Ser	Ile	Asn	Ile	Leu	Ala	Asp	Val	Leu	Pro	Glu	Glu
			20					25					30		
Met	Pro	Thr	Thr	Val	Leu	Gln	Ser	Met	Lys	Leu	Gly	Val	Asp	Val	Asn
		35					40					45			
Arg	His	Lys	Glu	Val	Ile	Val	Lys	Ala	Ile	Ser	Ala	Val	Leu	Leu	Leu
	50					55					60				
Leu	Leu	Lys	His	Phe	Lys	Leu	Asn	His	Val	Tyr	Gln	Phe	Glu	Tyr	Met
65					70					75					80
Ala	Gln	His	Leu	Val	Phe	Ala	Asn	Cys	Ile	Pro	Leu	Ile	Leu	Lys	Phe
				85					90					95	
Phe	Asn	Gln	Asn	Ile	Met	Ser	Tyr	Ile	Thr	Ala	Lys	Asn	Ser	Ile	Ser
			100					105					110		
Val	Leu	Asp	Tyr	Pro	His	Cys	Val	Val	His	Glu	Leu	Pro	Glu	Leu	Thr

115					120					125					
Ala	Glu	Ser	Leu	Glu	Ala	Gly	Asp	Ser	Asn	Gln	Phe	Cys	Trp	Arg	Asn
130					135					140					
Leu	Phe	Ser	Cys	Ile	Asn	Leu	Leu	Arg	Ile	Leu	Asn	Lys	Leu	Thr	Lys
145					150					155					160
Trp	Lys	His	Ser	Arg	Thr	Met	Met	Leu	Val	Val	Phe	Lys	Ser	Ala	Pro
				165					170					175	
Ile	Leu	Lys	Arg	Ala	Leu	Lys	Val	Lys	Gln	Ala	Met	Met	Gln	Leu	Tyr
			180					185					190		
Val	Leu	Lys	Leu	Leu	Lys	Val	Gln	Thr	Lys	Tyr	Leu	Gly	Arg	Gln	Trp
		195					200					205			
Arg	Lys	Ser	Asn	Met	Lys	Thr	Met	Ser	Ala	Ile	Tyr	Gln	Lys	Val	Arg
	210					215					220				
His	Arg	Leu	Asn	Asp	Asp	Trp	Ala	Tyr	Gly	Asn	Asp	Leu	Asp	Ala	Arg
225				230					235						240
Pro	Trp	Asp	Phe	Gln	Ala	Glu	Glu	Cys	Ala	Leu	Arg	Ala	Asn	Ile	Glu
			245					250						255	
Arg	Phe	Asn	Ala	Arg	Arg	Tyr	Asp	Arg	Ala	His	Ser	Asn	Pro	Asp	Phe
			260				265					270			
Leu	Pro	Val	Asp	Asn	Cys	Leu	Gln	Ser	Val	Leu	Gly	Gln	Arg	Val	Asp
		275					280					285			
Leu	Pro	Glu	Asp	Phe	Gln	Met	Asn	Tyr	Asp	Leu	Trp	Leu	Glu	Arg	Glu
	290					295					300				
Val	Phe	Ser	Lys	Pro	Ile	Ser	Trp	Glu	Glu	Leu	Leu	Gln			
305					310					315					

<210> 2012

<211> 957

<212> PRT

<213> Homo sapiens

<400> 2012

Met	Ala	Leu	Leu	His	Trp	Gly	Ala	Leu	Trp	Arg	Gln	Leu	Ala	Ser	Pro
1				5					10					15	

Cys	Gly	Ala	Trp	Ala	Leu	Arg	Asp	Thr	Pro	Ile	Pro	Arg	Trp	Lys	Leu
		20						25					30		

Ser	Ser	Ala	Glu	Thr	Tyr	Ser	Arg	Met	Arg	Leu	Lys	Leu	Val	Pro	Asn		
		35					40					45					
His	His	Phe	Asp	Pro	His	Leu	Glu	Ala	Ser	Ala	Leu	Arg	Asp	Asn	Leu		
	50					55					60						
Gly	Glu	Val	Pro	Leu	Thr	Pro	Thr	Glu	Glu	Ala	Ser	Leu	Pro	Leu	Ala		
65					70					75					80		
Val	Thr	Lys	Glu	Ala	Lys	Val	Ser	Thr	Pro	Pro	Glu	Leu	Leu	Gln	Glu		
				85					90					95			
Asp	Gln	Leu	Gly	Glu	Asp	Glu	Leu	Ala	Glu	Leu	Glu	Thr	Pro	Met	Glu		
			100					105					110				
Ala	Ala	Glu	Leu	Asp	Glu	Gln	Arg	Glu	Lys	Leu	Val	Leu	Ser	Ala	Glu		
		115					120					125					
Cys	Gln	Leu	Val	Thr	Val	Val	Ala	Val	Val	Pro	Gly	Leu	Leu	Glu	Val		
	130					135					140						
Thr	Thr	Gln	Asn	Val	Tyr	Phe	Tyr	Asp	Gly	Ser	Thr	Glu	Arg	Val	Glu		
145					150					155					160		
Thr	Glu	Glu	Gly	Ile	Gly	Tyr	Asp	Phe	Arg	Arg	Pro	Leu	Ala	Gln	Leu		
				165					170					175			
Arg	Glu	Val	His	Leu	Arg	Arg	Phe	Asn	Leu	Arg	Arg	Ser	Ala	Leu	Glu		
			180					185					190				
Leu	Phe	Phe	Ile	Asp	Gln	Ala	Asn	Tyr	Phe	Leu	Asn	Phe	Pro	Cys	Lys		
		195					200					205					
Val	Gly	Thr	Thr	Pro	Val	Ser	Ser	Pro	Ser	Gln	Thr	Pro	Arg	Pro	Gln		
	210					215					220						
Pro	Gly	Pro	Ile	Pro	Pro	His	Thr	Gln	Val	Arg	Asn	Gln	Val	Tyr	Ser		
225					230					235					240		
Trp	Leu	Leu	Arg	Leu	Arg	Pro	Pro	Ser	Gln	Gly	Tyr	Leu	Ser	Ser	Arg		
				245					250					255			
Ser	Pro	Gln	Glu	Met	Leu	Arg	Ala	Ser	Gly	Leu	Thr	Gln	Lys	Trp	Val		
			260					265					270				
Gln	Arg	Glu	Ile	Ser	Asn	Phe	Glu	Tyr	Leu	Met	Gln	Leu	Asn	Thr	Ile		
		275					280					285					
Ala	Gly	Arg	Thr	Tyr	Asn	Asp	Leu	Ser	Gln	Tyr	Pro	Val	Phe	Pro	Trp		
	290					295					300						
Val	Leu	Gln	Asp	Tyr	Val	Ser	Pro	Thr	Leu	Asp	Leu	Ser	Asn	Pro	Ala		

305		310		315		320
Val Phe Arg Asp	Leu Ser Lys Pro	Ile Gly	Val Val Asn Pro	Lys His		
	325		330		335	
Ala Gln Leu Val	Arg Glu Lys Tyr	Glu Ser Phe Glu	Asp Pro Ala Gly			
	340	345	350			
Thr Ile Asp Lys	Phe His Tyr Gly	Thr His Tyr Ser	Asn Ala Ala Gly			
	355	360	365			
Val Met His Tyr	Leu Ile Arg Val	Glu Pro Phe Thr	Ser Leu His Val			
	370	375	380			
Gln Leu Gln Ser	Gly Arg Phe Asp	Cys Ser Asp Arg	Gln Phe His Ser			
385	390	395	400			
Val Ala Ala Ala	Trp Gln Ala Arg	Leu Glu Ser Pro	Ala Asp Val Lys			
	405	410	415			
Glu Leu Ile Pro	Glu Phe Phe Tyr	Phe Pro Asp Phe	Leu Glu Asn Gln			
	420	425	430			
Asn Gly Phe Asp	Leu Gly Cys Leu	Gln Leu Thr Asn	Glu Lys Val Gly			
	435	440	445			
Asp Val Val Leu	Pro Pro Trp Ala	Ser Ser Pro Glu	Asp Phe Ile Gln			
	450	455	460			
Gln His Arg Gln	Ala Leu Glu Ser	Glu Tyr Val Ser	Ala His Leu His			
465	470	475	480			
Glu Trp Ile Asp	Leu Ile Phe Gly	Tyr Lys Gln Arg	Gly Pro Ala Ala			
	485	490	495			
Glu Glu Ala Leu	Asn Val Phe Tyr	Tyr Cys Thr Tyr	Glu Gly Ala Val			
	500	505	510			
Asp Leu Asp His	Val Thr Asp Glu	Arg Glu Arg Lys	Ala Leu Glu Gly			
	515	520	525			
Ile Ile Ser Asn	Phe Gly Gln Thr	Pro Cys Gln Leu	Leu Lys Glu Pro			
	530	535	540			
His Pro Thr Arg	Leu Ser Ala Glu	Glu Ala Ala His	Arg Leu Ala Arg			
545	550	555	560			
Leu Asp Thr Asn	Ser Pro Ser Ile	Phe Gln His Leu	Asp Glu Leu Lys			
	565	570	575			
Ala Phe Phe Ala	Glu Val Val Ser	Asp Gly Val Pro	Leu Val Leu Ala			
	580	585	590			

Leu	Val	Pro	His	Arg	Gln	Pro	His	Ser	Phe	Ile	Thr	Gln	Gly	Ser	Pro	595	600	605
Asp	Leu	Leu	Val	Thr	Val	Ser	Ala	Ser	Gly	Leu	Leu	Gly	Thr	His	Ser	610	615	620
Trp	Leu	Pro	Tyr	Asp	Arg	Asn	Ile	Ser	Asn	Tyr	Phe	Ser	Phe	Ser	Lys	625	630	635
Asp	Pro	Thr	Met	Gly	Ser	His	Lys	Thr	Gln	Arg	Leu	Leu	Ser	Gly	Pro	645	650	655
Trp	Val	Pro	Gly	Ser	Gly	Val	Ser	Gly	Gln	Ala	Leu	Ala	Val	Ala	Pro	660	665	670
Asp	Gly	Lys	Leu	Leu	Phe	Ser	Gly	Gly	His	Trp	Asp	Gly	Ser	Leu	Arg	675	680	685
Val	Thr	Ala	Leu	Pro	Arg	Gly	Lys	Leu	Leu	Ser	Gln	Leu	Ser	Cys	His	690	695	700
Leu	Asp	Val	Val	Thr	Cys	Leu	Ala	Leu	Asp	Thr	Cys	Gly	Ile	Tyr	Leu	705	710	715
Ile	Ser	Gly	Ser	Arg	Asp	Thr	Thr	Cys	Met	Val	Trp	Arg	Leu	Leu	His	725	730	735
Gln	Gly	Gly	Leu	Ser	Val	Gly	Leu	Ala	Pro	Lys	Pro	Val	Gln	Val	Leu	740	745	750
Tyr	Gly	His	Gly	Ala	Ala	Val	Ser	Cys	Val	Ala	Ile	Ser	Thr	Glu	Leu	755	760	765
Asp	Met	Ala	Val	Ser	Gly	Ser	Glu	Asp	Gly	Thr	Val	Ile	Ile	His	Thr	770	775	780
Val	Arg	Arg	Gly	Gln	Phe	Val	Ala	Ala	Leu	Arg	Pro	Leu	Gly	Ala	Thr	785	790	795
Phe	Pro	Gly	Pro	Ile	Phe	His	Leu	Ala	Leu	Gly	Ser	Glu	Gly	Gln	Ile	805	810	815
Val	Val	Gln	Ser	Ser	Ala	Trp	Glu	Arg	Pro	Gly	Ala	Gln	Val	Thr	Tyr	820	825	830
Ser	Leu	His	Leu	Tyr	Ser	Val	Asn	Gly	Lys	Leu	Arg	Ala	Ser	Leu	Pro	835	840	845
Leu	Ala	Glu	Gln	Pro	Thr	Ala	Leu	Thr	Val	Thr	Glu	Asp	Phe	Val	Leu	850	855	860

Leu Gly Thr Ala Gln Cys Ala Leu His Ile Leu Gln Leu Asn Thr Leu
865 870 875 880

Leu Pro Ala Ala Pro Pro Leu Pro Met Lys Val Ala Ile Arg Ser Val
885 890 895

Ala Val Thr Lys Glu Arg Ser His Val Leu Val Gly Leu Glu Asp Gly
900 905 910

Lys Leu Ile Val Val Val Ala Gly Gln Pro Ser Glu Val Arg Ser Ser
915 920 925

Gln Phe Ala Arg Lys Leu Trp Arg Ser Ser Arg Arg Ile Ser Gln Val
930 935 940

Ser Ser Gly Glu Thr Glu Tyr Asn Pro Thr Glu Ala Arg
945 950 955

<210> 2013

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2013

Met Trp Trp Glu Asp Leu Met Lys Gly Leu Phe Cys Leu Trp Pro Leu
1 5 10 15

Val Arg Ser Val Ser Ser Leu Met Thr Ser Ser Thr Ser Cys Pro Ser
20 25 30

Pro Pro Thr Leu Pro Pro Trp Arg Pro Cys Leu Pro Arg Leu Arg Met
35 40 45

Arg Val Leu Val Leu Leu Ile Trp Ser
50 55

<210> 2014

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2014

Met Trp Trp Glu Asp Leu Met Lys Gly Leu Phe Cys Leu Trp Pro Leu
1 5 10 15

Val Arg Ser Val Ser Ser Leu Met Thr Ser Ser Thr Ser Cys Pro Ser
20 25 30

Pro Pro Thr Leu Pro Pro Trp Arg Pro Cys Leu Pro Arg Leu Arg Met
35 40 45

Arg Val Leu Val Leu Leu Ile Trp Ser
50 55

<210> 2015

<211> 75

<212> PRT

<213> Homo sapiens

<400> 2015

Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
1 5 10 15

Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
20 25 30

Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
35 40 45

Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
50 55 60

Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
65 70 75

<210> 2016

<211> 42

<212> PRT

<213> Homo sapiens

<400> 2016

Met Arg Leu Ser Lys Ser Asn Gln Val Gln Leu Phe Leu Tyr Phe Leu
1 5 10 15

Leu Gln Trp Ser Leu Gly Ser Val Asn Ala Glu Thr Ser Leu Gln Ile
20 25 30

Leu Leu Ala Cys Ser Phe Thr Thr Asp Ser
35 40

<210> 2017

<211> 169

<212> PRT

<213> Homo sapiens

<400> 2017

Met Trp Ala Val Leu Arg Leu Ala Leu Arg Pro Cys Ala Arg Ala Ser
1 5 10 15
Pro Ala Gly Pro Arg Ala Tyr His Gly Asp Ser Val Ala Ser Leu Gly
20 25 30
Thr Gln Pro Asp Leu Gly Ser Ala Leu Tyr Gln Glu Asn Tyr Lys Gln
35 40 45
Met Lys Ala Leu Val Asn Gln Leu His Glu Arg Val Glu His Ile Lys
50 55 60
Leu Gly Gly Gly Glu Lys Ala Arg Ala Leu His Ile Ser Arg Gly Lys
65 70 75 80
Leu Leu Pro Arg Glu Arg Ile Asp Asn Leu Ile Asp Pro Gly Ser Pro
85 90 95
Phe Leu Glu Leu Ser Gln Phe Ala Gly Tyr Gln Leu Tyr Asp Asn Glu
100 105 110
Glu Val Pro Gly Gly Gly Ile Ile Thr Gly Ile Gly Arg Val Ser Gly
115 120 125
Val Glu Cys Met Ile Ile Ala Asn Asp Ala Thr Val Lys Gly Gly Ala
130 135 140
Tyr Tyr Pro Val Thr Val Lys Lys Gln Leu Arg Ala Gln Glu Ile Ala
145 150 155 160
Met Gln Thr Gly Ser Pro Ala Ser Thr
165

<210> 2018

<211> 45

<212> PRT

<213> Homo sapiens

<400> 2018

Met Val Lys His Phe Thr Leu Trp Met Val Cys Leu Ser Leu Val Phe
1 5 10 15
Arg Lys Leu Leu Ser Leu Leu Pro Lys Lys Lys Glu Gly Gln Val Asn
20 25 30
Phe Phe Asn Gln Lys Lys Ile Thr His Phe Ile Lys Pro
35 40 45

<210> 2019

<211> 388

<212> PRT

<213> Homo sapiens

<400> 2019

Met Met Thr Ile Thr Phe Leu Pro Tyr Thr Phe Ser Leu Met Val Thr
1 5 10 15

Phe Pro Asp Val Pro Leu Gly Ile Phe Leu Phe Cys Val Cys Val Ile
20 25 30

Ala Ile Gly Val Val Gln Ala Leu Ile Val Gly Tyr Ala Phe His Phe
35 40 45

Pro His Leu Leu Ser Pro Gln Ile Gln Arg Ser Ala His Arg Ala Leu
50 55 60

Tyr Arg Arg His Val Leu Gly Ile Val Leu Gln Gly Pro Ala Leu Cys
65 70 75 80

Phe Ala Ala Ala Ile Phe Ser Leu Phe Phe Val Pro Leu Ser Tyr Leu
85 90 95

Leu Met Val Thr Val Ile Leu Leu Pro Tyr Val Ser Lys Val Thr Gly
100 105 110

Trp Cys Arg Asp Arg Leu Leu Gly His Arg Glu Pro Ser Ala His Pro
115 120 125

Val Glu Val Phe Ser Phe Asp Leu His Glu Pro Leu Ser Lys Glu Arg
130 135 140

Val Glu Ala Phe Ser Asp Gly Val Tyr Ala Ile Val Ala Thr Leu Leu
145 150 155 160

Ile Leu Asp Ile Cys Glu Asp Asn Val Pro Asp Pro Lys Asp Val Lys
165 170 175

Glu Arg Phe Ser Gly Ser Leu Val Ala Ala Leu Ser Ala Thr Gly Pro
180 185 190

Arg Phe Leu Ala Tyr Phe Gly Ser Phe Ala Thr Val Gly Leu Leu Trp
195 200 205

Phe Ala His His Ser Leu Phe Leu His Val Arg Lys Ala Thr Arg Ala
210 215 220

Met Gly Leu Leu Asn Thr Leu Ser Leu Ala Phe Val Gly Gly Leu Pro
225 230 235 240

65					70						75				80
Leu	Ala	Arg	Pro	Thr	Glu	Pro	Pro	Ala	Arg	Ser	Asp	Ile	Asn	Gly	Ala
				85					90					95	
Ala	Val	Arg	Pro	Glu	Gln	Arg	Pro	Ala	Ala	Arg	Gly	Ser	Pro	Arg	Glu
			100					105					110		
Met	Ile	Arg	Asp	Glu	Gly	Ser	Ser	Ala	Arg	Ser	Arg	Met	Leu	Arg	Phe
		115					120					125			
Pro	Ser	Gly	Ser	Ser	Ser	Pro	Asn	Ile	Leu	Ala	Ser	Phe	Ala	Gly	Lys
	130					135					140				
Asn	Arg	Val	Trp	Val	Ile	Ser	Ala	Pro	His	Ala	Ser	Glu	Gly	Tyr	Tyr
145					150					155					160
Arg	Leu	Met	Met	Ser	Leu	Leu	Lys	Asp	Asp	Val	Tyr	Cys	Glu	Leu	Ala
				165					170					175	
Glu	Arg	His	Ile	Gln	Gln	Ile	Val	Leu	Phe	His	Gln	Ala	Gly	Glu	Glu
			180					185					190		
Gly	Gly	Lys	Val	Arg	Arg	Ile	Thr	Ser	Glu	Gly	Gln	Ile	Leu	Glu	Gln
		195					200					205			
Pro	Leu	Asp	Pro	Ser	Leu	Ile	Pro	Lys	Leu	Met	Ser	Phe	Leu	Lys	Leu
	210					215					220				
Glu	Lys	Gly	Lys	Phe	Gly	Met	Val	Leu	Leu	Lys	Lys	Thr	Leu	Gln	Val
225					230					235					240
Glu	Glu	Arg	Tyr	Pro	Tyr	Pro	Val	Arg	Leu	Glu	Ala	Met	Tyr	Glu	Val
				245					250					255	
Ile	Asp	Gln	Gly	Pro	Ile	Arg	Arg	Ile	Glu	Lys	Ile	Arg	Gln	Lys	Gly
			260					265					270		
Phe	Val	Gln	Lys	Cys	Lys	Ala	Ser	Gly	Val	Glu	Gly	Gln	Val	Val	Ala
		275					280					285			
Glu	Gly	Asn	Asp	Gly	Gly	Gly	Gly	Ala	Gly	Arg	Pro	Ser	Gln	Gly	Ser
	290					295					300				
Glu	Lys	Lys	Lys	Glu	Asp	Pro	Arg	Arg	Ala	Gln	Val	Pro	Pro	Thr	Arg
305					310					315					320
Glu	Ser	Arg	Val	Lys	Val	Leu	Arg	Lys	Leu	Ala	Ala	Thr	Ala	Pro	Ala
				325					330					335	
Phe	Pro	Gln	Pro	Pro	Ser	Thr	Pro	Arg	Ala	Thr	Thr	Leu	Thr	Pro	Ala
			340					345					350		

Pro Ala Thr Thr Val Thr Arg Ser Thr Ser Arg Ala Gly Asn Arg Cys
355 360 365

Cys Lys Thr Tyr Asp His His Trp Leu Ser His His Ala Glu Ala Leu
370 375 380

Asp Pro Leu Thr Leu Pro Thr Gly Pro Leu Gln Pro Leu Arg Val Ile
385 390 395 400

Thr Ala Arg Arg Pro Ser Val Ser Arg Glu Ser Leu Pro Ser Ile Pro
405 410 415

Gly Arg Ile Ser Thr Gly Arg Gly His Arg Gln Pro Gly Gly Pro Ala
420 425 430

Arg Pro Thr Ser Leu Glu Ser Phe Thr Asn Ala Pro Pro Thr Thr Ile
435 440 445

Ser Glu Pro Ser Thr Arg Ala Ala Gly Pro Gly Arg Phe Arg Asp Asn
450 455 460

Arg Met Asp Arg Arg Glu His Gly His Arg Asp Pro Asn Val Val Pro
465 470 475 480

Gly Pro Pro Lys Pro Ala Lys Glu Lys Pro Pro Lys Lys Lys Ala Gln
485 490 495

Asp Lys Ile Leu Ser Asn Glu Tyr Glu Glu Lys Tyr Asp Leu Ser Arg
500 505 510

Pro Thr Ala Ser Gln Leu Glu Asp Glu Leu Gln Val Gly Asn Val Pro
515 520 525

Leu Lys Lys Ala Lys Glu Ser Lys Lys His Glu Lys Leu Glu Lys Pro
530 535 540

Glu Lys Glu Lys Lys Lys Lys Lys Lys Lys
545 550

<210> 2021

<211> 509

<212> PRT

<213> Homo sapiens

<400> 2021

Met Thr Trp Arg Met Gly Pro Arg Phe Thr Met Leu Leu Ala Met Trp
1 5 10 15

Leu Val Cys Gly Ser Glu Pro His Pro His Ala Thr Ile Arg Gly Ser

	20		25		30														
His	Gly	Gly	Arg	Lys	Val	Pro	Leu	Val	Ser	Pro	Asp	Ser	Ser	Arg	Pro				
		35					40					45							
Ala	Arg	Phe	Leu	Arg	His	Thr	Gly	Arg	Ser	Arg	Gly	Ile	Glu	Arg	Ser				
	50					55					60								
Thr	Leu	Glu	Glu	Pro	Asn	Leu	Gln	Pro	Leu	Gln	Arg	Arg	Arg	Ser	Val				
	65				70					75					80				
Pro	Val	Leu	Arg	Leu	Ala	Arg	Pro	Thr	Glu	Pro	Pro	Ala	Arg	Ser	Asp				
				85					90					95					
Ile	Asn	Gly	Ala	Ala	Val	Arg	Pro	Glu	Gln	Arg	Pro	Ala	Ala	Arg	Gly				
			100					105					110						
Ser	Pro	Arg	Glu	Met	Ile	Arg	Asp	Glu	Gly	Ser	Ser	Ala	Arg	Ser	Arg				
		115					120					125							
Met	Leu	Arg	Phe	Pro	Ser	Gly	Ser	Ser	Ser	Pro	Asn	Ile	Leu	Ala	Ser				
	130					135					140								
Phe	Ala	Gly	Lys	Asn	Arg	Val	Trp	Val	Ile	Ser	Ala	Pro	His	Ala	Ser				
	145				150					155					160				
Glu	Gly	Tyr	Tyr	Arg	Leu	Met	Met	Ser	Leu	Leu	Lys	Asp	Asp	Val	Tyr				
				165					170					175					
Cys	Glu	Leu	Ala	Glu	Arg	His	Ile	Gln	Gln	Ile	Val	Leu	Phe	His	Gln				
			180					185					190						
Ala	Gly	Glu	Glu	Gly	Gly	Lys	Val	Arg	Arg	Ile	Thr	Ser	Glu	Gly	Gln				
		195					200					205							
Ile	Leu	Glu	Gln	Pro	Leu	Asp	Pro	Ser	Leu	Ile	Pro	Lys	Leu	Met	Ser				
	210					215					220								
Phe	Leu	Lys	Leu	Glu	Lys	Gly	Lys	Phe	Gly	Met	Val	Leu	Leu	Lys	Lys				
	225				230					235					240				
Thr	Leu	Gln	Val	Glu	Glu	Arg	Tyr	Pro	Tyr	Pro	Val	Arg	Leu	Glu	Ala				
				245					250					255					
Met	Tyr	Glu	Val	Ile	Asp	Gln	Gly	Pro	Ile	Arg	Arg	Ile	Glu	Lys	Ile				
			260					265					270						
Arg	Gln	Lys	Gly	Phe	Val	Gln	Lys	Cys	Lys	Ala	Ser	Gly	Val	Glu	Gly				
		275					280					285							
Gln	Val	Val	Ala	Glu	Gly	Asn	Asp	Gly	Gly	Gly	Gly	Ala	Gly	Arg	Pro				
	290					295					300								

Ser Leu Gly Ser Glu Lys Lys Lys Glu Asp Pro Arg Arg Ala Gln Val
 305 310 315 320
 Pro Pro Thr Arg Glu Ser Arg Val Lys Val Leu Arg Lys Leu Ala Ala
 325 330 335
 Thr Ala Pro Ala Phe Pro Gln Pro Pro Ser Thr Pro Arg Ala Thr Thr
 340 345 350
 Leu Pro Pro Ala Pro Ala Thr Thr Val Thr Arg Ser Thr Ser Arg Ala
 355 360 365
 Val Thr Val Ala Ala Arg Pro Met Thr Thr Thr Ala Phe Pro Thr Thr
 370 375 380
 Gln Arg Pro Trp Thr Pro Ser Pro Ser His Arg Pro Pro Thr Thr Thr
 385 390 395 400
 Glu Val Ile Thr Ala Arg Arg Pro Ser Val Ser Glu Asn Leu Tyr Pro
 405 410 415
 Pro Ser Arg Lys Asp Gln His Arg Glu Arg Pro Gln Thr Thr Arg Arg
 420 425 430
 Pro Ser Lys Ala Thr Ser Leu Glu Ser Phe Thr Asn Ala Pro Pro Thr
 435 440 445
 Thr Ile Ser Glu Pro Ser Thr Arg Ala Ala Gly Pro Gly Arg Phe Arg
 450 455 460
 Asp Asn Arg Met Asp Arg Arg Glu His Gly His Arg Asp Pro Asn Val
 465 470 475 480
 Val Pro Gly Pro Pro Lys Pro Ala Lys Glu Lys Pro Pro Lys Lys Lys
 485 490 495
 Ala Gln Asp Lys Ile Leu Ser Asn Glu Tyr Glu Glu Val
 500 505

<210> 2022

<211> 264

<212> PRT

<213> Homo sapiens

<400> 2022

Met Cys Leu Leu Gly Ala Leu Val Leu Leu Gly Leu Gly Val Leu Leu
 1 5 10 15

Phe Ser Gly Gly Leu Ser Glu Ser Glu Thr Gly Pro Met Glu Glu Val

	20		25		30												
Glu	Arg	Gln	Val	Leu	Pro	Asp	Pro	Glu	Val	Leu	Glu	Ala	Val	Gly	Asp		
	35						40					45					
Arg	Gln	Asp	Gly	Leu	Arg	Glu	Gln	Leu	Gln	Ala	Pro	Val	Pro	Pro	Asp		
	50					55					60						
Ser	Val	Pro	Ser	Leu	Gln	Asn	Met	Gly	Leu	Leu	Leu	Asp	Lys	Leu	Ala		
	65				70					75					80		
Lys	Glu	Asn	Gln	Asp	Ile	Arg	Leu	Leu	Gln	Ala	Gln	Leu	Gln	Ala	Gln		
				85					90					95			
Lys	Glu	Glu	Leu	Gln	Ser	Leu	Met	His	Gln	Pro	Lys	Gly	Leu	Glu	Glu		
			100					105					110				
Glu	Asn	Ala	Gln	Leu	Arg	Gly	Ala	Leu	Gln	Gln	Gly	Glu	Ala	Phe	Gln		
	115						120					125					
Arg	Ala	Leu	Glu	Ser	Glu	Leu	Gln	Gln	Leu	Arg	Ala	Arg	Leu	Gln	Gly		
	130					135					140						
Leu	Glu	Ala	Asp	Cys	Val	Arg	Gly	Pro	Asp	Gly	Val	Cys	Leu	Ser	Gly		
	145				150					155					160		
Gly	Arg	Gly	Pro	Gln	Gly	Asp	Lys	Ala	Ile	Arg	Glu	Gln	Gly	Pro	Arg		
				165					170					175			
Glu	Gln	Glu	Pro	Glu	Leu	Ser	Phe	Leu	Lys	Gln	Lys	Glu	Gln	Leu	Glu		
			180					185					190				
Ala	Glu	Ala	Gln	Ala	Leu	Ser	Leu	Glu	Glu	Val	Ala	Val	Gln	Gln	Thr		
	195						200					205					
Gly	Asp	Asp	Asp	Glu	Val	Asp	Asp	Phe	Glu	Asp	Phe	Ile	Phe	Ser	His		
	210					215					220						
Phe	Phe	Gly	Asp	Lys	Ala	Leu	Lys	Lys	Arg	Ser	Gly	Lys	Lys	Asp	Lys		
	225				230					235					240		
His	Ser	Gln	Ser	Pro	Arg	Ala	Ala	Gly	Pro	Arg	Glu	Gly	His	Ser	His		
				245					250					255			
Ser	His	His	His	His	His	Arg	Gly										
				260													

<210> 2023
 <211> 123
 <212> PRT

<213> Homo sapiens

<400> 2023

Met	Leu	Cys	Leu	Ser	Ser	Val	Val	Met	Phe	Leu	Pro	Gln	Pro	Gly	Ala	
1				5					10					15		
Ala	Ser	Asp	Pro	Leu	Phe	Ile	Trp	Glu	Ala	Ser	Cys	His	Ser	Leu	Gly	
			20					25					30			
Gln	Asn	Trp	Ala	Gln	Gly	Lys	Gly	Leu	Ser	Pro	Glu	Asp	Gly	Leu	Glu	
		35					40					45				
Gly	Leu	Gly	His	Thr	Arg	Ala	Trp	Thr	Phe	Gly	Ala	Gly	Glu	Pro	Gly	
	50					55					60					
Leu	Arg	Leu	Leu	Asn	Val	Arg	Gly	Leu	Leu	Thr	Arg	Gly	Pro	Ser	Arg	
	65				70					75					80	
Gly	Ser	Leu	Cys	Pro	Leu	Leu	Trp	Ser	Asp	Gln	Ala	Leu	His	Leu	Ser	
				85					90					95		
Ala	Gly	Pro	Leu	Trp	Gln	Arg	Ser	Pro	Val	Leu	Phe	Leu	Leu	Phe	Leu	
			100					105					110			
Phe	Leu	Thr	Lys	Ala	Cys	Ala	Thr	Ser	Cys	Pro						
		115					120									

<210> 2024

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2024

Met	Asn	Cys	Val	Glu	Trp	Trp	Lys	Ser	Val	Phe	Leu	Phe	Val	Val	Leu	
1				5					10					15		
Leu	Phe	Val	Thr	Ser	Val	Ser	Cys	Leu	Gly	Val	Val	Gly	Val	Ala	Val	
			20					25					30			
Glu	Gly	Ser	Leu	Gln	Ser	Cys	Ser	Phe	Tyr	Ser	Leu	Cys	Asn	Lys	Arg	
		35					40					45				
Leu	Glu	His	Val	Lys	Gly	Ile	Phe	Lys								
	50					55										

<210> 2025

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2025

Met Asn Cys Val Glu Trp Trp Lys Ser Val Phe Leu Phe Val Val Leu
1 5 10 15

Leu Phe Val Thr Ser Val Ser Cys Leu Gly Val Val Gly Val Ala Val
20 25 30

Glu Gly Ser Leu Gln Ser Cys Ser Phe Tyr Ser Leu Cys Asn Lys Arg
35 40 45

Leu Glu His Val Lys Gly Ile Phe Lys
50 55

<210> 2026

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2026

Met Glu Ile Arg Thr Arg Val Val Trp Leu Cys Leu Cys Leu Cys Leu
1 5 10 15

Cys Leu Cys Leu Cys Leu Ser Leu Phe Ser Leu Pro Xaa Ser Leu Ser
20 25 30

Pro Leu Pro Ser Pro Leu Ser Leu Ser Val Ser Leu Ser Leu Ser Phe
35 40 45

His Gly Leu Pro Leu Met Pro Ser Arg Ser Trp Thr Val Leu Leu Pro
50 55 60

Ser Gln Leu Thr Ala Thr Ser Leu Pro Asp Ser Pro Ala Ser Ala Cys
65 70 75 80

Arg Val Pro Ala Ile Ala Gly Ala Arg His His Ala
85 90

<210> 2027

<211> 82

<212> PRT

<213> Homo sapiens

<400> 2027

Met Asn Arg Ser Thr Arg Ser Tyr Arg Cys Trp Ala Thr Trp Pro Arg
1 5 10 15

Leu Gly Trp Ala Leu Pro Cys Cys Met Asn Ser Leu Arg Lys Gly Arg
20 25 30

Lys Phe Ser Gln Ile Thr Thr Ser Leu Met Ala Ser Val Ser Ser Ala
35 40 45

Ser Met Val Ser Arg Arg Arg Arg Pro Leu Pro Lys His Pro Val Thr
50 55 60

Thr Thr Ser Thr Ala Thr Ala Leu Leu Gly Thr Ser Ser Thr Trp Ser
65 70 75 80

Lys Ser

<210> 2028

<211> 46

<212> PRT

<213> Homo sapiens

<400> 2028

Met Val Thr Ala Ser Leu Leu Leu Leu Pro Ala Val Met Ala Ile Val
1 5 10 15

Phe Pro Ile Thr Trp Ala Val Gln Ser Gln Ser Trp Ala Ala Glu Phe
20 25 30

Asn Gly Ala Cys Phe Gln Val Leu His Gly Lys Leu Tyr Ser
35 40 45

<210> 2029

<211> 176

<212> PRT

<213> Homo sapiens

<400> 2029

Met Ser Arg Gly Asp Asn Cys Thr Asp Leu Leu Ala Leu Gly Ile Pro
1 5 10 15

Ser Ile Thr Gln Ala Trp Gly Leu Trp Val Leu Leu Gly Ala Val Thr
20 25 30

Leu Leu Phe Leu Ile Ser Leu Ala Ala His Leu Ser Gln Trp Thr Arg

50 55 60
 Ala Ala Pro Lys Ser Arg Pro Arg Ser Pro Ala Ala Gly Ala Ala Leu
 65 70 75 80
 Leu His Xaa Pro Arg Arg Thr Gly Asp Glu Pro Cys Arg Glu Phe His
 85 90 95
 Gly Asn Gly Phe Pro Gly Pro Thr Gln Leu Thr Pro Gly Glu Cys Gly
 100 105 110
 Leu Pro Ala Pro Ser Ser Leu Leu Gln His Ala Ser Ala Pro Val Arg
 115 120 125
 Thr Gly Ser Glu Gly Gln Val Val Gly Cys Pro Arg Ala Arg Gly Glu
 130 135 140
 Thr Gly Glu Gly Leu Ser Leu Ala Phe Leu Ser Ser Leu Met Phe Thr
 145 150 155 160
 Ser Arg Asn Gly Leu Val Gly Cys
 165

<210> 2031

<211> 135

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2031

Met Pro Leu Leu Arg Gly Leu Leu Trp Leu Gln Val Leu Cys Ala Gly
 1 5 10 15

Pro Leu His Thr Glu Ala Val Val Leu Leu Val Pro Ser Asp Asp Gly
 20 25 30

Arg Ala Phe Leu Leu Arg Ser Arg Leu Leu His Pro Glu Ala His Val
 35 40 45

Pro Pro Ala Ala Asp Arg Gly Ala Ser Leu Gln Cys Val Leu His Gln
 50 55 60

Ala	Ala	Pro	Lys	Ser	Arg	Pro	Arg	Ser	Pro	Ala	Ala	Gly	Ala	Ala	Leu
65					70				75						80
Leu	His	Arg	Pro	Arg	Arg	Thr	Gly	Asp	Glu	Pro	Cys	Arg	Glu	Phe	His
			85					90						95	
Gly	Asn	Gly	Phe	Pro	Gly	Pro	Thr	Gln	Leu	Thr	Pro	Gly	Glu	Cys	Gly
			100					105					110		
Leu	Pro	Ala	Pro	Ser	Xaa	Leu	Leu	Xaa	His	Ala	Ser	Ala	Pro	Val	Arg
		115					120					125			
Thr	Val	Cys	Ala	Leu	Thr	Trp									
	130					135									

<210> 2032

<211> 168

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2032

Met	Pro	Leu	Leu	Arg	Gly	Leu	Leu	Trp	Leu	Gln	Val	Leu	Cys	Ala	Gly
1				5				10					15		
Pro	Leu	His	Thr	Glu	Ala	Val	Val	Leu	Leu	Val	Pro	Ser	Asp	Asp	Gly
			20					25					30		
Arg	Ala	Phe	Leu	Leu	Arg	Xaa	Arg	Leu	Leu	His	Pro	Glu	Ala	His	Val
		35					40					45			
Pro	Pro	Ala	Ala	Asp	Arg	Gly	Ala	Ser	Leu	Gln	Cys	Val	Leu	His	Gln
	50					55					60				
Ala	Ala	Pro	Lys	Ser	Arg	Pro	Arg	Ser	Pro	Ala	Ala	Gly	Ala	Ala	Leu
65					70				75						80
Leu	His	Arg	Pro	Arg	Arg	Thr	Gly	Asp	Glu	Pro	Cys	Arg	Glu	Phe	His
				85				90						95	
Gly	Asn	Gly	Phe	Pro	Gly	Pro	Thr	Gln	Leu	Thr	Pro	Gly	Glu	Cys	Gly
			100					105					110		
Leu	Pro	Ala	Pro	Ser	Ser	Leu	Leu	Gln	His	Ala	Ser	Ala	Pro	Val	Arg
		115					120					125			

Thr Gly Ser Glu Gly Gln Val Val Gly Cys Pro Arg Ala Arg Gly Glu
 130 135 140

Thr Gly Glu Gly Leu Ser Leu Ala Phe Leu Ser Ser Leu Met Phe Thr
 145 150 155 160

Ser Arg Asn Gly Leu Val Gly Cys
 165

<210> 2033

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2033

Met Pro Leu Leu Arg Gly Leu Leu Trp Leu Gln Val Leu Cys Ala Gly
 1 5 10 15

Pro Leu His Thr Glu Ala Val Val Leu Leu Val Pro Ser Asp Asp Gly
 20 25 30

Arg Ala Phe Leu Leu Arg Xaa Gly Phe Phe Ile Arg Arg Arg Met Tyr
 35 40 45

Pro Pro Pro Leu Ile Glu Glu Pro Ala Phe Asn Val Ser Tyr Thr Arg
 50 55 60

Gln Pro Pro Asn Pro Gly Pro Gly Ala Gln Gln Pro Gly Pro Pro Tyr
 65 70 75 80

Tyr Thr Asp Pro Gly Gly Pro Gly Met Asn Pro Val Gly Asn Ser Met
 85 90 95

Ala Met Ala Phe Gln Val Pro Pro Asn Ser Pro Gln Gly Ser Val Ala
 100 105 110

Cys Pro Pro Pro Pro Ala Tyr Cys Asn Thr Pro Pro Pro Pro Tyr Glu
 115 120 125

Gln Val Val Lys Ala Lys
 130

<210> 2034
 <211> 168
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2034

Met	Pro	Leu	Leu	Arg	Gly	Leu	Leu	Trp	Leu	Gln	Val	Leu	Cys	Ala	Gly
1				5					10					15	
Pro	Leu	His	Thr	Glu	Ala	Val	Val	Leu	Leu	Val	Pro	Ser	Asp	Asp	Gly
			20					25					30		
Arg	Ala	Phe	Leu	Leu	Arg	Xaa	Arg	Leu	Leu	His	Pro	Glu	Ala	His	Val
		35					40					45			
Pro	Pro	Ala	Ala	Asp	Arg	Gly	Ala	Ser	Leu	Gln	Cys	Val	Leu	His	Gln
	50					55					60				
Ala	Ala	Pro	Lys	Ser	Arg	Pro	Arg	Ser	Pro	Ala	Ala	Gly	Ala	Ala	Leu
65					70					75					80
Leu	His	Arg	Pro	Arg	Arg	Thr	Gly	Asp	Glu	Pro	Cys	Arg	Glu	Phe	His
				85					90					95	
Gly	Asn	Gly	Phe	Pro	Gly	Pro	Thr	Gln	Leu	Thr	Pro	Gly	Glu	Cys	Gly
			100					105					110		
Leu	Pro	Ala	Pro	Ser	Ser	Leu	Leu	Gln	His	Ala	Ser	Ala	Pro	Val	Arg
		115					120					125			
Thr	Gly	Ser	Glu	Gly	Gln	Val	Val	Gly	Cys	Pro	Arg	Ala	Arg	Gly	Glu
	130					135					140				
Thr	Gly	Glu	Gly	Leu	Ser	Leu	Ala	Phe	Leu	Ser	Ser	Leu	Met	Phe	Thr
145					150					155					160
Ser	Arg	Asn	Gly	Leu	Val	Gly	Cys								
						165									

<210> 2035
 <211> 134
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2035

Met Pro Leu Leu Arg Gly Leu Leu Trp Leu Gln Val Leu Cys Ala Gly
1 5 10 15

Pro Leu His Thr Glu Ala Val Val Leu Leu Val Pro Ser Asp Asp Gly
20 25 30

Arg Ala Phe Leu Leu Arg Xaa Gly Phe Phe Ile Arg Arg Arg Met Tyr
35 40 45

Pro Pro Pro Leu Ile Glu Glu Pro Ala Phe Asn Val Ser Tyr Thr Arg
50 55 60

Gln Pro Pro Asn Pro Gly Pro Gly Ala Gln Gln Pro Gly Pro Pro Tyr
65 70 75 80

Tyr Thr Asp Pro Gly Gly Pro Gly Met Asn Pro Val Gly Asn Ser Met
85 90 95

Ala Met Ala Phe Gln Val Pro Pro Asn Ser Pro Gln Gly Ser Val Ala
100 105 110

Cys Pro Pro Pro Pro Ala Tyr Cys Asn Thr Pro Pro Pro Pro Tyr Glu
115 120 125

Gln Val Val Lys Ala Lys
130

<210> 2036

<211> 468

<212> PRT

<213> Homo sapiens

<400> 2036

Met Gly Arg Gly Trp Gly Phe Leu Phe Gly Leu Leu Gly Ala Val Trp
1 5 10 15

Leu Leu Ser Ser Gly His Gly Glu Glu Gln Pro Pro Glu Thr Ala Ala
20 25 30

Gln Arg Cys Phe Cys Gln Val Ser Gly Tyr Leu Asp Asp Cys Thr Cys
35 40 45

Asp Val Glu Thr Ile Asp Arg Phe Asn Asn Tyr Arg Leu Phe Pro Arg
50 55 60

Leu	Gln	Lys	Leu	Leu	Glu	Ser	Asp	Tyr	Phe	Arg	Tyr	Tyr	Lys	Val	Asn	
65					70					75					80	
Leu	Lys	Arg	Pro	Cys	Pro	Phe	Trp	Asn	Asp	Ile	Ser	Gln	Cys	Gly	Arg	
				85					90					95		
Arg	Asp	Cys	Ala	Val	Lys	Pro	Cys	Gln	Ser	Asp	Glu	Val	Pro	Asp	Gly	
			100					105					110			
Ile	Lys	Ser	Ala	Ser	Tyr	Lys	Tyr	Ser	Glu	Glu	Ala	Asn	Asn	Leu	Ile	
		115					120					125				
Glu	Glu	Cys	Glu	Gln	Ala	Glu	Arg	Leu	Gly	Ala	Val	Asp	Glu	Ser	Leu	
	130					135					140					
Ser	Glu	Glu	Thr	Gln	Lys	Ala	Val	Leu	Gln	Trp	Thr	Lys	His	Asp	Asp	
145					150					155					160	
Ser	Ser	Asp	Asn	Phe	Cys	Glu	Ala	Asp	Asp	Ile	Gln	Ser	Pro	Glu	Ala	
				165					170					175		
Glu	Tyr	Val	Asp	Leu	Leu	Leu	Asn	Pro	Glu	Arg	Tyr	Thr	Gly	Tyr	Lys	
			180					185					190			
Gly	Pro	Asp	Ala	Trp	Lys	Ile	Trp	Asn	Val	Ile	Tyr	Glu	Glu	Asn	Cys	
		195					200					205				
Phe	Lys	Pro	Gln	Thr	Ile	Lys	Arg	Pro	Leu	Asn	Pro	Leu	Ala	Ser	Gly	
	210					215					220					
Gln	Gly	Thr	Ser	Glu	Glu	Asn	Thr	Phe	Tyr	Ser	Trp	Leu	Glu	Gly	Leu	
225					230					235						240
Cys	Val	Glu	Lys	Arg	Ala	Phe	Tyr	Arg	Leu	Ile	Ser	Gly	Leu	His	Ala	
				245					250					255		
Ser	Ile	Asn	Val	His	Leu	Ser	Ala	Arg	Tyr	Leu	Leu	Gln	Glu	Thr	Trp	
		260						265					270			
Leu	Glu	Lys	Lys	Trp	Gly	His	Asn	Ile	Thr	Glu	Phe	Gln	Gln	Arg	Phe	
		275					280					285				
Asp	Gly	Ile	Leu	Thr	Glu	Gly	Glu	Gly	Pro	Arg	Arg	Leu	Lys	Asn	Leu	
	290					295					300					
Tyr	Phe	Leu	Tyr	Leu	Ile	Glu	Leu	Arg	Ala	Leu	Ser	Lys	Val	Leu	Pro	
305					310					315					320	
Phe	Phe	Glu	Arg	Pro	Asp	Phe	Gln	Leu	Phe	Thr	Gly	Asn	Lys	Ile	Gln	
				325				330						335		
Asp	Glu	Glu	Asn	Lys	Met	Leu	Leu	Leu	Glu	Ile	Leu	His	Glu	Ile	Lys	

	340		345		350										
Ser	Phe	Pro	Leu	His	Phe	Asp	Glu	Asn	Ser	Phe	Phe	Ala	Gly	Asp	Lys
	355						360					365			
Lys	Glu	Ala	His	Lys	Leu	Lys	Glu	Asp	Phe	Arg	Leu	His	Phe	Arg	Asn
	370					375					380				
Ile	Ser	Arg	Ile	Met	Asp	Cys	Val	Gly	Cys	Phe	Lys	Cys	Arg	Leu	Trp
385					390					395					400
Gly	Lys	Leu	Gln	Thr	Gln	Gly	Leu	Gly	Thr	Ala	Leu	Lys	Ile	Leu	Phe
			405						410					415	
Ser	Glu	Lys	Leu	Ile	Ala	Asn	Met	Pro	Glu	Ser	Gly	Pro	Ser	Tyr	Glu
			420					425					430		
Phe	His	Leu	Thr	Arg	Gln	Glu	Ile	Val	Ser	Leu	Phe	Asn	Ala	Phe	Gly
	435					440						445			
Arg	Ile	Ser	Thr	Ser	Val	Lys	Glu	Leu	Glu	Asn	Phe	Arg	Asn	Leu	Leu
	450					455					460				
Gln	Asn	Ile	His												
465															

<210> 2037

<211> 314

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (227)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2037

Met	Leu	Leu	Ala	Gln	Gly	Leu	Ile	Leu	His	Phe	Leu	Gly	Arg	Ala	Trp
1				5				10						15	
Thr	Trp	Pro	Asp	Ala	Leu	Asn	Ile	Glu	Asn	Ser	Asp	Ser	Glu	Ser	Trp
			20					25					30		
Thr	Ser	His	Thr	Val	Lys	Lys	Phe	Thr	Ala	Ser	Phe	Glu	Ala	Ser	Leu
		35					40					45			
Ser	Gly	Glu	Arg	Glu	Phe	Lys	Thr	Pro	Thr	Ile	Ser	Leu	Lys	Glu	Thr
	50					55					60				
Ile	Gly	Lys	Tyr	Ser	Asp	Asp	His	Glu	Met	Arg	Asn	Glu	Val	Tyr	His

65	70	75	80
Arg Lys Ile Ile Ser Trp Phe Gly Asp Ser Pro Leu Ala Leu Phe Gly	85	90	95
Leu His Gln Leu Ile Glu Tyr Gly Lys Lys Ser Gly Lys Lys Ala Gly	100	105	110
Asp Trp Tyr Gly Pro Ala Val Val Ala His Ile Leu Arg Lys Ala Val	115	120	125
Glu Glu Ala Arg His Pro Asp Leu Gln Gly Ile Thr Ile Tyr Val Ala	130	135	140
Gln Asp Cys Thr Val Pro Val Arg Leu Gly Gly Glu Arg Thr Asn Thr	145	150	155
Asp Tyr Leu Glu Phe Val Lys Gly Ile Leu Ser Leu Glu Tyr Cys Val	165	170	175
Gly Ile Ile Gly Gly Lys Pro Lys Gln Ser Tyr Tyr Phe Ala Gly Phe	180	185	190
Gln Asp Asp Ser Leu Ile Tyr Met Asp Pro His Tyr Cys Gln Ser Phe	195	200	205
Val Asp Val Ser Ile Lys Asp Phe Pro Leu Glu Thr Phe His Cys Pro	210	215	220
Ser Pro Xaa Lys Met Ser Phe Arg Lys Met Asp Pro Ser Cys Thr Ile	225	230	235
Gly Phe Tyr Cys Arg Asn Val Gln Asp Phe Lys Arg Ala Ser Glu Glu	245	250	255
Ile Thr Lys Met Leu Lys Phe Ser Ser Lys Glu Lys Tyr Pro Leu Phe	260	265	270
Thr Phe Val Asn Gly His Ser Arg Asp Tyr Asp Phe Thr Ser Thr Thr	275	280	285
Thr Asn Glu Glu Asp Leu Phe Ser Glu Asp Glu Lys Lys Gln Leu Lys	290	295	300
Arg Phe Ser Thr Glu Glu Phe Val Leu Leu	305	310	

<210> 2038

<211> 56

<212> PRT

<213> Homo sapiens

<400> 2038

Met Arg Trp Leu Phe Val Leu Met Leu Ser Leu Pro Leu Pro Pro Thr
1 5 10 15

Pro Arg Gln Gly Pro Ala Cys Asp Val Pro Leu Pro Val Ser His Val
20 25 30

Phe Ser Leu Phe Asn Ser His Leu Gly Ala Arg Thr Cys Gly Val Trp
35 40 45

Phe Ser Leu Pro Val Ser Val Cys
50 55

<210> 2039

<211> 414

<212> PRT

<213> Homo sapiens

<400> 2039

Met Lys Ala Gln Thr Ala Leu Ser Phe Phe Leu Ile Leu Ile Thr Ser
1 5 10 15

Leu Ser Gly Ser Gln Gly Ile Phe Pro Leu Ala Phe Phe Ile Tyr Val
20 25 30

Pro Met Asn Glu Gln Ile Val Ile Gly Arg Leu Asp Glu Asp Ile Ile
35 40 45

Leu Pro Ser Ser Phe Glu Arg Gly Ser Glu Val Val Ile His Trp Lys
50 55 60

Tyr Gln Asp Ser Tyr Lys Val His Ser Tyr Tyr Lys Gly Ser Asp His
65 70 75 80

Leu Glu Ser Gln Asp Pro Arg Tyr Ala Asn Arg Thr Ser Leu Phe Tyr
85 90 95

Asn Glu Ile Gln Asn Gly Asn Ala Ser Leu Phe Phe Arg Arg Val Ser
100 105 110

Leu Leu Asp Glu Gly Ile Tyr Thr Cys Tyr Val Gly Thr Ala Ile Gln
115 120 125

Val Ile Thr Asn Lys Val Val Leu Lys Val Gly Val Phe Leu Thr Pro
130 135 140

Val Met Lys Tyr Glu Lys Arg Asn Thr Asn Ser Phe Leu Ile Cys Ser
145 150 155 160

Val	Leu	Ser	Val	Tyr	Pro	Arg	Pro	Ile	Ile	Thr	Trp	Lys	Met	Asp	Asn		
				165					170					175			
Thr	Pro	Ile	Ser	Glu	Asn	Asn	Met	Glu	Glu	Thr	Gly	Ser	Leu	Asp	Ser		
			180					185					190				
Phe	Ser	Ile	Asn	Ser	Pro	Leu	Asn	Ile	Thr	Gly	Ser	Asn	Ser	Ser	Tyr		
		195					200					205					
Glu	Cys	Thr	Ile	Glu	Asn	Ser	Leu	Leu	Lys	Gln	Thr	Trp	Thr	Gly	Arg		
	210					215					220						
Trp	Thr	Met	Lys	Asp	Gly	Leu	His	Lys	Met	Gln	Ser	Glu	His	Val	Ser		
225					230					235					240		
Leu	Ser	Cys	Gln	Pro	Val	Asn	Asp	Tyr	Phe	Ser	Pro	Asn	Gln	Asp	Phe		
				245					250					255			
Lys	Val	Thr	Trp	Ser	Arg	Met	Lys	Ser	Gly	Thr	Phe	Ser	Val	Leu	Ala		
			260					265					270				
Tyr	Tyr	Leu	Ser	Ser	Ser	Gln	Asn	Thr	Ile	Ile	Asn	Glu	Ser	Arg	Phe		
		275					280					285					
Ser	Trp	Asn	Lys	Glu	Leu	Ile	Asn	Gln	Ser	Asp	Phe	Ser	Met	Asn	Leu		
	290					295					300						
Met	Asp	Leu	Asn	Leu	Ser	Asp	Ser	Gly	Glu	Tyr	Leu	Cys	Asn	Ile	Ser		
305					310					315					320		
Ser	Asp	Glu	Tyr	Thr	Leu	Leu	Thr	Ile	His	Thr	Val	His	Val	Glu	Pro		
				325					330					335			
Ser	Gln	Glu	Thr	Ala	Ser	His	Asn	Lys	Gly	Leu	Trp	Ile	Leu	Val	Pro		
			340					345					350				
Ser	Ala	Ile	Leu	Ala	Ala	Phe	Leu	Leu	Ile	Trp	Arg	Val	Lys	Cys	Cys		
		355					360					365					
Arg	Ala	Gln	Leu	Glu	Ala	Arg	Arg	Ser	Arg	His	Pro	Ala	Asp	Gly	Ala		
	370					375					380						
Gln	Gln	Glu	Arg	Cys	Cys	Val	Pro	Pro	Gly	Glu	Arg	Cys	Pro	Ser	Ala		
385					390					395					400		
Pro	Asp	Asn	Gly	Glu	Glu	Asn	Val	Pro	Leu	Ser	Gly	Lys	Val				
				405					410								

<210> 2040

<212> PRT

<213> Homo sapiens

<400> 2042

Met	Ile	Gly	Met	Ser	Thr	Lys	Ala	Val	Leu	Trp	Arg	Cys	Phe	Ser	Thr	
1				5					10					15		
Val	Val	Ile	Phe	Leu	Phe	Leu	Leu	Asp	Glu	Gln	Thr	Ser	Leu	Leu	Val	
			20					25					30			
Leu	Val	Pro	Ala	Gly	Val	Gly	Ala	Ala	Ile	Glu	Leu	Trp	Lys	Val	Lys	
		35					40					45				
Lys	Ala	Leu	Lys	Met	Thr	Ile	Phe	Trp	Arg	Gly	Leu	Met	Pro	Glu	Phe	
	50					55					60					
Gln	Phe	Gly	Thr	Tyr	Ser	Glu	Ser	Glu	Arg	Lys	Thr	Glu	Glu	Tyr	Asp	
65					70					75					80	
Thr	Gln	Ala	Met	Lys	Tyr	Leu	Ser	Tyr	Leu	Leu	Tyr	Pro	Leu	Cys	Val	
				85					90					95		
Gly	Gly	Ala	Val	Tyr	Ser	Leu	Leu	Asn	Ile	Lys	Tyr	Lys	Ser	Trp	Tyr	
			100					105					110			
Ser	Trp	Leu	Ile	Asn	Ser	Phe	Val	Asn	Gly	Val	Tyr	Ala	Phe	Gly	Phe	
		115					120					125				
Leu	Phe	Met	Leu	Pro	Gln	Leu	Phe	Val	Asn	Tyr	Lys	Val	Arg	Arg	Cys	
	130					135					140					
Val	Leu	Pro	Ala	Ala	Arg	Pro	Pro	Ser	Pro	Val	Leu	Pro	Thr	Ala	Asp	
145					150					155					160	
Leu	Gly	Leu	Ser	Leu	Leu	Phe	Gln	Leu	Lys	Ser	Val	Ala	His	Leu	Pro	
				165					170					175		
Trp	Lys	Ala	Phe	Thr	Tyr	Lys	Ala	Phe	Asn	Thr	Phe	Ile	Asp	Asp	Val	
			180					185					190			
Phe	Ala	Phe	Ile	Ile	Thr	Met	Pro	Thr	Ser	His	Arg	Leu	Ala	Cys	Phe	
		195					200					205				
Arg	Asp	Asp	Val	Val	Phe	Leu	Val	Tyr	Leu	Tyr	Gln	Arg	Trp	Leu	Tyr	
	210					215					220					
Pro	Val	Asp	Lys	Arg	Arg	Val	Asn	Glu	Phe	Gly	Glu	Ser	Tyr	Glu	Glu	
225					230					235					240	
Lys	Ala	Thr	Arg	Ala	Pro	His	Thr	Asp								
				245												

<210> 2043
<211> 60
<212> PRT
<213> Homo sapiens

<400> 2043
Met Ser Pro Thr Gly Leu Leu Val Val Phe Ala Pro Val Val Leu Gly
1 5 10 15
Leu Lys Ala Ile Thr Leu Ala Ala Leu Leu Leu Ala Leu Ala Thr Ser
20 25 30
Arg Arg Ser Pro Gly Gln Glu Asp Val Lys Thr Thr Gly Pro Ala Gly
35 40 45
Ala Met Asn Thr Leu Ala Trp Ser Lys Gly Gln Glu
50 55 60

<210> 2044
<211> 60
<212> PRT
<213> Homo sapiens

<400> 2044
Met Ser Pro Thr Gly Leu Leu Val Val Phe Ala Pro Val Val Leu Gly
1 5 10 15
Leu Lys Ala Ile Thr Leu Ala Ala Leu Leu Leu Ala Leu Ala Thr Ser
20 25 30
Arg Arg Ser Pro Gly Gln Glu Asp Val Lys Thr Thr Gly Pro Ala Gly
35 40 45
Ala Met Asn Thr Leu Ala Trp Ser Lys Gly Gln Glu
50 55 60

<210> 2045
<211> 310
<212> PRT
<213> Homo sapiens

<400> 2045
Met Ala Leu Arg Arg Pro Pro Arg Leu Arg Leu Cys Ala Arg Leu Pro
1 5 10 15
Asp Phe Phe Leu Leu Leu Leu Phe Arg Gly Cys Leu Ile Gly Ala Val

	20		25		30												
Asn	Leu	Lys	Ser	Ser	Asn	Arg	Thr	Pro	Val	Val	Gln	Glu	Phe	Glu	Ser		
		35					40					45					
Val	Glu	Leu	Ser	Cys	Ile	Ile	Thr	Asp	Ser	Gln	Thr	Ser	Asp	Pro	Arg		
	50					55					60						
Ile	Glu	Trp	Lys	Lys	Ile	Gln	Asp	Glu	Gln	Thr	Thr	Tyr	Val	Phe	Phe		
	65				70					75					80		
Asp	Asn	Lys	Ile	Gln	Gly	Asp	Leu	Ala	Gly	Arg	Ala	Glu	Ile	Leu	Gly		
				85					90					95			
Lys	Thr	Ser	Leu	Lys	Ile	Trp	Asn	Val	Thr	Arg	Arg	Asp	Ser	Ala	Leu		
			100					105					110				
Tyr	Arg	Cys	Glu	Val	Val	Ala	Arg	Asn	Asp	Arg	Lys	Glu	Ile	Asp	Glu		
		115					120					125					
Ile	Val	Ile	Glu	Leu	Thr	Val	Gln	Val	Lys	Pro	Val	Thr	Pro	Val	Cys		
	130					135					140						
Arg	Val	Pro	Lys	Ala	Val	Pro	Val	Gly	Lys	Met	Ala	Thr	Leu	His	Cys		
	145				150					155					160		
Gln	Glu	Ser	Glu	Gly	His	Pro	Arg	Pro	His	Tyr	Ser	Trp	Tyr	Arg	Asn		
				165					170					175			
Asp	Val	Pro	Leu	Pro	Thr	Asp	Ser	Arg	Ala	Asn	Pro	Arg	Phe	Arg	Asn		
			180					185					190				
Ser	Ser	Phe	His	Leu	Asn	Ser	Glu	Thr	Gly	Thr	Leu	Val	Phe	Thr	Ala		
		195					200					205					
Val	His	Lys	Asp	Asp	Ser	Gly	Gln	Tyr	Tyr	Cys	Ile	Ala	Ser	Asn	Asp		
	210					215					220						
Ala	Gly	Ser	Ala	Arg	Cys	Glu	Glu	Gln	Glu	Met	Glu	Val	Tyr	Asp	Leu		
	225				230					235					240		
Asn	Ile	Gly	Gly	Ile	Ile	Gly	Gly	Val	Leu	Val	Val	Leu	Ala	Val	Leu		
				245					250					255			
Ala	Leu	Ile	Thr	Leu	Gly	Ile	Cys	Cys	Ala	Tyr	Arg	Arg	Gly	Tyr	Phe		
			260					265					270				
Ile	Asn	Asn	Lys	Gln	Asp	Gly	Glu	Ser	Tyr	Lys	Asn	Pro	Gly	Lys	Pro		
		275					280					285					
Asp	Gly	Val	Asn	Tyr	Ile	Arg	Thr	Asp	Glu	Glu	Gly	Asp	Phe	Arg	His		
	290					295					300						

Lys Ser Ser Phe Val Ile
305 310

<210> 2046

<211> 310

<212> PRT

<213> Homo sapiens

<400> 2046

Met Ala Leu Arg Arg Pro Pro Arg Leu Arg Leu Cys Ala Arg Leu Pro
1 5 10 15

Asp Phe Phe Leu Leu Leu Phe Arg Gly Cys Leu Ile Gly Ala Val
20 25 30

Asn Leu Lys Ser Ser Asn Arg Thr Pro Val Val Gln Glu Phe Glu Ser
35 40 45

Val Glu Leu Ser Cys Ile Ile Thr Asp Ser Gln Thr Ser Asp Pro Arg
50 55 60

Ile Glu Trp Lys Lys Ile Gln Asp Glu Gln Thr Thr Tyr Val Phe Phe
65 70 75 80

Asp Asn Lys Ile Gln Gly Asp Leu Ala Gly Arg Ala Glu Ile Leu Gly
85 90 95

Lys Thr Ser Leu Lys Ile Trp Asn Val Thr Arg Arg Asp Ser Ala Leu
100 105 110

Tyr Arg Cys Glu Val Val Ala Arg Asn Asp Arg Lys Glu Ile Asp Glu
115 120 125

Ile Val Ile Glu Leu Thr Val Gln Val Lys Pro Val Thr Pro Val Cys
130 135 140

Arg Val Pro Lys Ala Val Pro Val Gly Lys Met Ala Thr Leu His Cys
145 150 155 160

Gln Glu Ser Glu Gly His Pro Arg Pro His Tyr Ser Trp Tyr Arg Asn
165 170 175

Asp Val Pro Leu Pro Thr Asp Ser Arg Ala Asn Pro Arg Phe Arg Asn
180 185 190

Ser Ser Phe His Leu Asn Ser Glu Thr Gly Thr Leu Val Phe Thr Ala
195 200 205

Val His Lys Asp Asp Ser Gly Gln Tyr Tyr Cys Ile Ala Ser Asn Asp

210		215		220
Ala Gly Ser Ala Arg Cys Glu Glu Gln Glu Met Glu Val Tyr Asp Leu				
225		230	235	240
Asn Ile Gly Gly Ile Ile Gly Gly Val Leu Val Val Leu Ala Val Leu				
	245		250	255
Ala Leu Ile Thr Leu Gly Ile Cys Cys Ala Tyr Arg Arg Gly Tyr Phe				
	260	265		270
Ile Asn Asn Lys Gln Asp Gly Glu Ser Tyr Lys Asn Pro Gly Lys Pro				
	275	280		285
Asp Gly Val Asn Tyr Ile Arg Thr Asp Glu Glu Gly Asp Phe Arg His				
	290	295	300	
Lys Ser Ser Phe Val Ile				
305		310		

<210> 2047
 <211> 310
 <212> PRT
 <213> Homo sapiens

<400> 2047
Met Ala Leu Arg Arg Pro Pro Arg Leu Arg Leu Cys Ala Arg Leu Pro
1 5 10 15
Asp Phe Phe Leu Leu Leu Leu Phe Arg Gly Cys Leu Ile Gly Ala Val
20 25 30
Asn Leu Lys Ser Ser Asn Arg Thr Pro Val Val Gln Glu Phe Glu Ser
35 40 45
Val Glu Leu Ser Cys Ile Ile Thr Asp Ser Gln Thr Ser Asp Pro Arg
50 55 60
Ile Glu Trp Lys Lys Ile Gln Asp Glu Gln Thr Thr Tyr Val Phe Phe
65 70 75 80
Asp Asn Lys Ile Gln Gly Asp Leu Ala Gly Arg Ala Glu Ile Leu Gly
85 90 95
Lys Thr Ser Leu Lys Ile Trp Asn Val Thr Arg Arg Asp Ser Ala Leu
100 105 110
Tyr Arg Cys Glu Val Val Ala Arg Asn Asp Arg Lys Glu Ile Asp Glu
115 120 125

Ile	Val	Ile	Glu	Leu	Thr	Val	Gln	Val	Lys	Pro	Val	Thr	Pro	Val	Cys
130						135					140				
Arg	Val	Pro	Lys	Ala	Val	Pro	Val	Gly	Lys	Met	Ala	Thr	Leu	His	Cys
145					150					155					160
Gln	Glu	Ser	Glu	Gly	His	Pro	Arg	Pro	His	Tyr	Ser	Trp	Tyr	Arg	Asn
				165					170					175	
Asp	Val	Pro	Leu	Pro	Thr	Asp	Ser	Arg	Ala	Asn	Pro	Arg	Phe	Arg	Asn
			180					185					190		
Ser	Ser	Phe	His	Leu	Asn	Ser	Glu	Thr	Gly	Thr	Leu	Val	Phe	Thr	Ala
		195					200					205			
Val	His	Lys	Asp	Asp	Ser	Gly	Gln	Tyr	Tyr	Cys	Ile	Ala	Ser	Asn	Asp
	210					215					220				
Ala	Gly	Ser	Ala	Arg	Cys	Glu	Glu	Gln	Glu	Met	Glu	Val	Tyr	Asp	Leu
225					230					235					240
Asn	Ile	Gly	Gly	Ile	Ile	Gly	Gly	Val	Leu	Val	Val	Leu	Ala	Val	Leu
				245					250					255	
Ala	Leu	Ile	Thr	Leu	Gly	Ile	Cys	Cys	Ala	Tyr	Arg	Arg	Gly	Tyr	Phe
			260					265					270		
Ile	Asn	Asn	Lys	Gln	Asp	Gly	Glu	Ser	Tyr	Lys	Asn	Pro	Gly	Lys	Pro
		275					280					285			
Asp	Gly	Val	Asn	Tyr	Ile	Arg	Thr	Asp	Glu	Glu	Gly	Asp	Phe	Arg	His
	290					295					300				
Lys	Ser	Ser	Phe	Val	Ile										
305					310										

<210> 2048

<211> 148

<212> PRT

<213> Homo sapiens

<400> 2048

Met	His	Met	Leu	Asn	Gly	Ala	Leu	Leu	Ala	Leu	Leu	Phe	Pro	Val	Val
1				5					10					15	

Asn	Thr	Arg	Leu	Leu	Pro	Phe	Glu	Leu	Glu	Ile	Tyr	Tyr	Ile	Gln	His
			20					25					30		

Val	Met	Leu	Tyr	Val	Val	Pro	Ile	Tyr	Leu	Leu	Trp	Lys	Gly	Gly	Ala
		35					40					45			

Tyr Thr Pro Glu Pro Leu Ser Ser Phe Arg Trp Ala Leu Leu Ser Thr
 50 55 60
 Gly Leu Met Phe Phe Tyr His Phe Ser Val Leu Gln Ile Leu Gly Leu
 65 70 75 80
 Val Thr Glu Val Asn Leu Asn Asn Met Leu Cys Pro Ala Ile Ser Asp
 85 90 95
 Pro Phe Tyr Gly Pro Trp Tyr Arg Ile Trp Ala Ser Gly His Gln Thr
 100 105 110
 Leu Met Thr Met Thr His Gly Lys Leu Val Ile Leu Phe Ser Tyr Met
 115 120 125
 Ala Gly Pro Leu Cys Lys Tyr Leu Leu Asp Leu Leu Arg Leu Pro Ala
 130 135 140
 Lys Lys Ile Asp
 145

<210> 2049
 <211> 413
 <212> PRT
 <213> Homo sapiens

<400> 2049
 Met Leu Lys Ala Leu Phe Leu Thr Met Leu Thr Leu Ala Leu Val Lys
 1 5 10 15
 Ser Gln Asp Thr Glu Glu Thr Ile Thr Tyr Thr Gln Cys Thr Asp Gly
 20 25 30
 Tyr Glu Trp Asp Pro Val Arg Gln Gln Cys Lys Asp Ile Asp Glu Cys
 35 40 45
 Asp Ile Val Pro Asp Ala Cys Lys Gly Gly Met Lys Cys Val Asn His
 50 55 60
 Tyr Gly Gly Tyr Leu Cys Leu Pro Lys Thr Ala Gln Ile Ile Val Asn
 65 70 75 80
 Asn Glu Gln Pro Gln Gln Glu Thr Gln Pro Ala Glu Gly Thr Ser Gly
 85 90 95
 Ala Thr Thr Gly Val Val Ala Ala Ser Ser Met Ala Thr Ser Gly Val
 100 105 110
 Leu Pro Gly Gly Gly Phe Val Ala Ser Ala Ala Val Ala Gly Pro

115						120						125			
Glu	Met	Gln	Thr	Gly	Arg	Asn	Asn	Phe	Val	Ile	Arg	Arg	Asn	Pro	Ala
130						135					140				
Asp	Pro	Gln	Arg	Ile	Pro	Ser	Asn	Pro	Ser	His	Arg	Ile	Gln	Cys	Ala
145					150					155					160
Ala	Gly	Tyr	Glu	Gln	Ser	Glu	His	Asn	Val	Cys	Gln	Asp	Ile	Asp	Glu
				165					170					175	
Cys	Thr	Ala	Gly	Thr	His	Asn	Cys	Arg	Ala	Asp	Gln	Val	Cys	Ile	Asn
			180					185					190		
Leu	Arg	Gly	Ser	Phe	Ala	Cys	Gln	Cys	Pro	Pro	Gly	Tyr	Gln	Lys	Arg
		195					200					205			
Gly	Glu	Gln	Cys	Val	Asp	Ile	Asp	Glu	Cys	Arg	Thr	Ser	Ser	Tyr	Leu
	210					215					220				
Cys	Gln	Tyr	Gln	Cys	Val	Asn	Glu	Pro	Gly	Lys	Phe	Ser	Cys	Met	Cys
225					230					235					240
Pro	Gln	Gly	Tyr	Gln	Val	Val	Arg	Ser	Arg	Thr	Cys	Gln	Asp	Ile	Asn
				245					250					255	
Glu	Cys	Glu	Thr	Thr	Asn	Glu	Cys	Arg	Glu	Asp	Glu	Met	Cys	Trp	Asn
			260					265					270		
Tyr	His	Gly	Gly	Phe	Arg	Cys	Tyr	Pro	Arg	Asn	Pro	Cys	Gln	Asp	Pro
		275					280					285			
Tyr	Ile	Leu	Thr	Pro	Glu	Asn	Arg	Cys	Val	Cys	Pro	Val	Ser	Asn	Ala
	290					295					300				
Met	Cys	Arg	Glu	Leu	Pro	Gln	Ser	Ile	Val	Tyr	Lys	Tyr	Met	Ser	Ile
305					310					315					320
Arg	Ser	Asp	Arg	Ser	Val	Pro	Ser	Asp	Ile	Phe	Gln	Ile	Gln	Ala	Thr
				325					330					335	
Thr	Ile	Tyr	Ala	Asn	Thr	Ile	Asn	Thr	Phe	Arg	Ile	Lys	Ser	Gly	Asn
			340				345						350		
Glu	Asn	Gly	Glu	Phe	Tyr	Leu	Arg	Gln	Thr	Ser	Pro	Val	Ser	Ala	Met
		355					360					365			
Leu	Val	Leu	Val	Lys	Ser	Leu	Ser	Gly	Pro	Arg	Glu	His	Ile	Val	Asp
	370					375					380				
Leu	Glu	Met	Leu	Thr	Val	Ser	Ser	Ile	Gly	Thr	Phe	Arg	Thr	Ser	Ser
385					390					395					400

Val Leu Arg Leu Thr Ile Ile Val Gly Pro Phe Ser Phe
 405 410

<210> 2050

<211> 683

<212> PRT

<213> Homo sapiens

<400> 2050

Met Leu Phe Ile Phe Asn Phe Leu Phe Ser Pro Leu Pro Thr Pro Ala
 1 5 10 15

Leu Ile Cys Ile Leu Thr Phe Gly Ala Ala Ile Phe Leu Trp Leu Ile
 20 25 30

Thr Arg Pro Gln Pro Val Leu Pro Leu Leu Asp Leu Asn Asn Gln Ser
 35 40 45

Val Gly Ile Glu Gly Gly Ala Arg Lys Gly Val Ser Gln Lys Asn Asn
 50 55 60

Asp Leu Thr Ser Cys Cys Phe Ser Asp Ala Lys Thr Met Tyr Glu Val
 65 70 75 80

Phe Gln Arg Gly Leu Ala Val Ser Asp Asn Gly Pro Cys Leu Gly Tyr
 85 90 95

Arg Lys Pro Asn Gln Pro Tyr Arg Trp Leu Ser Tyr Lys Gln Val Ser
 100 105 110

Asp Arg Ala Glu Tyr Leu Gly Ser Cys Leu Leu His Lys Gly Tyr Lys
 115 120 125

Ser Ser Pro Asp Gln Phe Val Gly Ile Phe Ala Gln Asn Arg Pro Glu
 130 135 140

Trp Ile Ile Ser Glu Leu Ala Cys Tyr Thr Tyr Ser Met Val Ala Val
 145 150 155 160

Pro Leu Tyr Asp Thr Leu Gly Pro Glu Ala Ile Val His Ile Val Asn
 165 170 175

Lys Ala Asp Ile Ala Met Val Ile Cys Asp Thr Pro Gln Lys Ala Leu
 180 185 190

Val Leu Ile Gly Asn Val Glu Lys Gly Phe Thr Pro Ser Leu Lys Val
 195 200 205

Ile Ile Leu Met Asp Pro Phe Asp Asp Asp Leu Lys Gln Arg Gly Glu

210					215					220					
Lys	Ser	Gly	Ile	Glu	Ile	Leu	Ser	Leu	Tyr	Asp	Ala	Glu	Asn	Leu	Gly
225					230					235					240
Lys	Glu	His	Phe	Arg	Lys	Pro	Val	Pro	Pro	Ser	Pro	Glu	Asp	Leu	Ser
				245					250					255	
Val	Ile	Cys	Phe	Thr	Ser	Gly	Thr	Thr	Gly	Asp	Pro	Lys	Gly	Ala	Met
			260					265					270		
Ile	Thr	His	Gln	Asn	Ile	Val	Ser	Asn	Ala	Ala	Ala	Phe	Leu	Lys	Cys
		275					280					285			
Val	Glu	His	Ala	Tyr	Glu	Pro	Thr	Pro	Asp	Asp	Val	Ala	Ile	Ser	Tyr
	290					295					300				
Leu	Pro	Leu	Ala	His	Met	Phe	Glu	Arg	Ile	Val	Gln	Ala	Val	Val	Tyr
305					310					315					320
Ser	Cys	Gly	Ala	Arg	Val	Gly	Phe	Phe	Gln	Gly	Asp	Ile	Arg	Leu	Leu
				325					330					335	
Ala	Asp	Asp	Met	Lys	Thr	Leu	Lys	Pro	Thr	Leu	Phe	Pro	Ala	Val	Pro
			340					345					350		
Arg	Leu	Leu	Asn	Arg	Ile	Tyr	Asp	Lys	Val	Gln	Asn	Glu	Ala	Lys	Thr
		355					360					365			
Pro	Leu	Lys	Lys	Phe	Leu	Leu	Lys	Leu	Ala	Val	Ser	Ser	Lys	Phe	Lys
	370					375					380				
Glu	Leu	Gln	Lys	Gly	Ile	Ile	Arg	His	Asp	Ser	Phe	Trp	Asp	Lys	Leu
385					390					395					400
Ile	Phe	Ala	Lys	Ile	Gln	Asp	Ser	Leu	Gly	Gly	Arg	Val	Arg	Val	Ile
				405					410					415	
Val	Thr	Gly	Ala	Ala	Pro	Met	Ser	Thr	Ser	Val	Met	Thr	Phe	Phe	Arg
			420					425					430		
Ala	Ala	Met	Gly	Cys	Gln	Val	Tyr	Glu	Ala	Tyr	Gly	Gln	Thr	Glu	Cys
		435					440					445			
Thr	Gly	Gly	Cys	Thr	Phe	Thr	Leu	Pro	Gly	Asp	Trp	Thr	Ser	Gly	His
	450					455					460				
Val	Gly	Val	Pro	Leu	Ala	Cys	Asn	Tyr	Val	Lys	Leu	Glu	Asp	Val	Ala
465					470					475					480
Asp	Met	Asn	Tyr	Phe	Thr	Val	Asn	Asn	Glu	Gly	Glu	Val	Cys	Ile	Lys
				485					490					495	

Gly Thr Asn Val Phe Lys Gly Tyr Leu Lys Asp Pro Glu Lys Thr Gln
 500 505 510
 Glu Ala Leu Asp Ser Asp Gly Trp Leu His Thr Gly Asp Ile Gly Arg
 515 520 525
 Trp Leu Pro Asn Gly Thr Leu Lys Ile Ile Asp Arg Lys Lys Asn Ile
 530 535 540
 Phe Lys Leu Ala Gln Gly Glu Tyr Ile Ala Pro Glu Lys Ile Glu Asn
 545 550 555 560
 Ile Tyr Asn Arg Ser Gln Pro Val Leu Gln Ile Phe Val His Gly Glu
 565 570 575
 Ser Leu Arg Ser Ser Leu Val Gly Val Val Val Pro Asp Thr Asp Val
 580 585 590
 Leu Pro Ser Phe Ala Ala Lys Leu Gly Val Lys Gly Ser Phe Glu Glu
 595 600 605
 Leu Cys Gln Asn Gln Val Val Arg Glu Ala Ile Leu Glu Asp Leu Gln
 610 615 620
 Lys Ile Gly Lys Glu Ser Gly Leu Lys Thr Phe Glu Gln Val Lys Ala
 625 630 635 640
 Ile Phe Leu His Pro Glu Pro Phe Ser Ile Glu Asn Gly Leu Leu Thr
 645 650 655
 Pro Thr Leu Lys Ala Lys Arg Gly Glu Leu Ser Lys Tyr Phe Arg Thr
 660 665 670
 Gln Ile Asp Ser Leu Tyr Glu His Ile Gln Asp
 675 680

<210> 2051

<211> 298

<212> PRT

<213> Homo sapiens

<400> 2051

Met Ala Pro Ser Gly Pro Gly Ser Ser Ala Arg Arg Arg Cys Arg Arg
 1 5 10 15

Val Leu Tyr Trp Ile Pro Val Val Phe Ile Thr Leu Leu Leu Gly Trp
 20 25 30

Ser Tyr Tyr Ala Tyr Ala Ile Gln Leu Cys Ile Val Ser Met Glu Asn

	35						40						45					
Thr	Gly 50	Glu	Gln	Val	Val	Cys 55	Leu	Met	Ala	Tyr	His 60	Leu	Leu	Phe	Ala			
Met 65	Phe	Val	Trp	Ser	Tyr 70	Trp	Lys	Thr	Ile	Phe 75	Thr	Leu	Pro	Met	Asn 80			
Pro	Ser	Lys	Glu	Phe 85	His	Leu	Ser	Tyr	Ala 90	Glu	Lys	Asp	Leu	Leu 95	Glu			
Arg	Glu	Pro	Arg	Gly 100	Glu	Ala	His	Gln	Glu 105	Val	Leu	Arg	Arg	Ala	Ala			
Lys	Asp	Leu 115	Pro	Ile	Tyr	Thr	Arg 120	Thr	Met	Ser	Gly	Ala 125	Ile	Arg	Tyr			
Cys 130	Asp	Arg	Cys	Gln	Leu	Ile 135	Lys	Pro	Asp	Arg	Cys 140	His	His	Cys	Ser			
Val 145	Cys	Asp	Lys	Cys	Ile 150	Leu	Lys	Met	Asp	His 155	His	Cys	Pro	Trp	Val 160			
Asn	Asn	Cys	Val	Gly 165	Phe	Ser	Asn	Tyr	Lys 170	Phe	Phe	Leu	Leu	Phe 175	Leu			
Ala	Tyr	Ser	Leu 180	Leu	Tyr	Cys	Leu	Phe 185	Ile	Ala	Ala	Thr	Asp 190	Leu	Gln			
Tyr	Phe 195	Ile	Lys	Phe	Trp	Thr	Asn 200	Gly	Leu	Pro	Asp	Thr 205	Gln	Ala	Lys			
Phe 210	His	Ile	Met	Phe	Leu	Phe 215	Phe	Ala	Ala	Ala	Met 220	Phe	Ser	Val	Ser			
Leu 225	Ser	Ser	Leu	Phe	Gly 230	Tyr	His	Cys	Trp	Leu 235	Val	Ser	Lys	Asn	Lys 240			
Ser	Thr	Leu	Glu	Ala 245	Phe	Arg	Ser	Pro	Val 250	Phe	Arg	His	Gly	Thr 255	Asp			
Lys	Asn	Gly	Phe 260	Ser	Leu	Gly	Phe	Ser 265	Lys	Asn	Met	Arg	Gln 270	Val	Phe			
Gly	Asp	Glu	Lys	Lys	Tyr	Trp	Leu 280	Leu	Pro	Ile	Phe	Ser 285	Ser	Leu	Gly			
Asp 290	Gly	Cys	Ser	Phe	Pro	Thr 295	Leu	Pro	Cys									

<210> 2052
 <211> 286
 <212> PRT
 <213> Homo sapiens

<400> 2052

Met	Ala	Pro	Ser	Gly	Pro	Gly	Ser	Ser	Ala	Arg	Arg	Arg	Cys	Arg	Arg			
1				5					10					15				
Val	Leu	Tyr	Trp	Ile	Pro	Val	Val	Phe	Ile	Thr	Leu	Leu	Leu	Gly	Trp			
			20					25					30					
Ser	Tyr	Tyr	Ala	Tyr	Ala	Ile	Gln	Leu	Cys	Ile	Val	Ser	Met	Glu	Asn			
		35					40					45						
Thr	Gly	Glu	Gln	Val	Val	Cys	Leu	Met	Ala	Tyr	His	Leu	Leu	Phe	Ala			
	50					55					60							
Met	Phe	Val	Trp	Ser	Tyr	Trp	Lys	Thr	Ile	Phe	Thr	Leu	Pro	Met	Asn			
65					70					75					80			
Pro	Ser	Lys	Glu	Phe	His	Leu	Ser	Tyr	Ala	Glu	Lys	Asp	Leu	Leu	Glu			
				85					90					95				
Arg	Glu	Pro	Arg	Gly	Glu	Ala	His	Gln	Glu	Val	Leu	Arg	Arg	Ala	Ala			
			100					105					110					
Lys	Asp	Leu	Pro	Ile	Tyr	Thr	Arg	Thr	Met	Ser	Gly	Ala	Ile	Arg	Tyr			
	115						120					125						
Cys	Asp	Arg	Cys	Gln	Leu	Ile	Lys	Pro	Asp	Arg	Cys	His	His	Cys	Ser			
	130					135					140							
Val	Cys	Asp	Lys	Cys	Ile	Leu	Lys	Met	Asp	His	His	Cys	Pro	Trp	Val			
145					150					155					160			
Asn	Asn	Cys	Val	Gly	Phe	Ser	Asn	Tyr	Lys	Phe	Phe	Leu	Leu	Phe	Leu			
				165					170					175				
Ala	Tyr	Ser	Leu	Leu	Tyr	Cys	Leu	Phe	Ile	Ala	Ala	Thr	Asp	Leu	Gln			
			180					185					190					
Tyr	Phe	Ile	Lys	Phe	Trp	Thr	Asn	Gly	Leu	Pro	Asp	Thr	Gln	Ala	Lys			
	195						200					205						
Phe	His	Ile	Met	Phe	Leu	Phe	Phe	Ala	Ala	Ala	Met	Phe	Ser	Val	Ser			
	210					215					220							
Leu	Ser	Ser	Leu	Phe	Gly	Tyr	His	Cys	Trp	Leu	Val	Ser	Lys	Asn	Lys			
225					230					235					240			
Ser	Thr	Leu	Glu	Ala	Phe	Arg	Ser	Pro	Val	Phe	Arg	His	Gly	Thr	Asp			

				245						250					255				
Lys	Asn	Gly	Phe	Ser	Leu	Gly	Phe	Ser	Lys	Asn	Met	Arg	Gln	Val	Leu				
			260					265					270						
Val	Met	Arg	Arg	Ser	Thr	Gly	Cys	Tyr	Pro	Phe	Phe	Gln	Val						
		275					280					285							

<210> 2053
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 2053																			
Met	Ser	His	Gly	Ser	Gln	Pro	Phe	Leu	Leu	Leu	Leu	Ser	Leu	His	Ile				
1				5					10					15					
Leu	Ile	Leu	Ala	Gly	Ser	Phe	Leu	Leu	Phe	Ser	Pro	Tyr	Thr	Ala	Lys				
			20					25					30						
Pro	Ser	Phe	Ser	Ser	Ser	Phe	Ile	Val	Phe	Pro	Arg	Ala	Glu	Met					
		35					40					45							

<210> 2054
 <211> 914
 <212> PRT
 <213> Homo sapiens

<400> 2054																			
Met	Gly	Pro	Phe	Lys	Ser	Ser	Val	Phe	Ile	Leu	Ile	Leu	His	Leu	Leu				
1				5					10					15					
Glu	Gly	Ala	Leu	Ser	Asn	Ser	Leu	Ile	Gln	Leu	Asn	Asn	Asn	Gly	Tyr				
			20					25					30						
Glu	Gly	Ile	Val	Val	Ala	Ile	Asp	Pro	Asn	Val	Pro	Glu	Asp	Glu	Thr				
		35					40					45							
Leu	Ile	Gln	Gln	Ile	Lys	Asp	Met	Val	Thr	Gln	Ala	Ser	Leu	Tyr	Leu				
		50				55					60								
Phe	Glu	Ala	Thr	Gly	Lys	Arg	Phe	Tyr	Phe	Lys	Asn	Val	Ala	Ile	Leu				
	65				70					75					80				
Ile	Pro	Glu	Thr	Trp	Lys	Thr	Lys	Ala	Asp	Tyr	Val	Arg	Pro	Lys	Leu				
				85					90					95					
Glu	Thr	Tyr	Lys	Asn	Ala	Asp	Val	Leu	Val	Ala	Glu	Ser	Thr	Pro	Pro				

100							105					110				
Gly	Asn	Asp	Glu	Pro	Tyr	Thr	Glu	Gln	Met	Gly	Asn	Cys	Gly	Glu	Lys	
115							120					125				
Gly	Glu	Arg	Ile	His	Leu	Thr	Pro	Asp	Phe	Ile	Ala	Gly	Lys	Lys	Leu	
130							135					140				
Ala	Glu	Tyr	Gly	Pro	Gln	Gly	Arg	Ala	Phe	Val	His	Glu	Trp	Ala	His	
145							150					155				
Leu	Arg	Trp	Gly	Val	Phe	Asp	Glu	Tyr	Asn	Asn	Asp	Glu	Lys	Phe	Tyr	
165							170					175				
Leu	Ser	Asn	Gly	Arg	Ile	Gln	Ala	Val	Arg	Cys	Ser	Ala	Gly	Ile	Thr	
180							185					190				
Gly	Thr	Asn	Val	Val	Lys	Lys	Cys	Gln	Gly	Gly	Ser	Cys	Tyr	Thr	Lys	
195							200					205				
Arg	Cys	Thr	Phe	Asn	Lys	Val	Thr	Gly	Leu	Tyr	Glu	Lys	Gly	Cys	Glu	
210							215					220				
Phe	Val	Leu	Gln	Ser	Arg	Gln	Thr	Glu	Lys	Ala	Ser	Ile	Met	Phe	Ala	
225							230					235				
Gln	His	Val	Asp	Ser	Ile	Val	Glu	Phe	Cys	Thr	Glu	Gln	Asn	His	Asn	
245							250					255				
Lys	Glu	Ala	Pro	Asn	Lys	Gln	Asn	Gln	Lys	Cys	Asn	Leu	Arg	Ser	Thr	
260							265					270				
Trp	Glu	Val	Ile	Arg	Asp	Ser	Glu	Asp	Phe	Lys	Lys	Thr	Thr	Pro	Met	
275							280					285				
Thr	Thr	Gln	Pro	Pro	Asn	Pro	Thr	Phe	Ser	Leu	Leu	Gln	Ile	Gly	Gln	
290							295					300				
Arg	Ile	Val	Cys	Leu	Val	Leu	Asp	Lys	Ser	Gly	Ser	Met	Ala	Thr	Gly	
305							310					315				
Asn	Arg	Leu	Asn	Arg	Leu	Asn	Gln	Ala	Gly	Gln	Leu	Phe	Leu	Leu	Gln	
325							330					335				
Thr	Val	Glu	Leu	Gly	Ser	Trp	Val	Gly	Met	Val	Thr	Phe	Asp	Ser	Ala	
340							345					350				
Ala	His	Val	Gln	Ser	Glu	Leu	Ile	Gln	Ile	Asn	Ser	Gly	Ser	Asp	Arg	
355							360					365				
Asp	Thr	Leu	Ala	Lys	Arg	Leu	Pro	Ala	Ala	Ala	Ser	Gly	Gly	Thr	Ser	
370							375					380				

Ile	Cys	Ser	Gly	Leu	Arg	Ser	Ala	Phe	Thr	Val	Ile	Arg	Lys	Lys	Tyr	385	390	395	400
Pro	Thr	Asp	Gly	Ser	Glu	Ile	Val	Leu	Leu	Thr	Asp	Gly	Glu	Asp	Asn	405	410	415	
Thr	Ile	Ser	Gly	Cys	Phe	Asn	Glu	Val	Lys	Gln	Ser	Gly	Ala	Ile	Ile	420	425	430	
His	Thr	Val	Ala	Leu	Gly	Pro	Ser	Ala	Ala	Gln	Glu	Leu	Glu	Glu	Leu	435	440	445	
Ser	Lys	Met	Thr	Gly	Gly	Leu	Gln	Thr	Tyr	Ala	Ser	Asp	Gln	Val	Gln	450	455	460	
Asn	Asn	Gly	Leu	Ile	Asp	Ala	Phe	Gly	Ala	Leu	Ser	Ser	Gly	Asn	Gly	465	470	475	480
Ala	Val	Ser	Gln	Arg	Ser	Ile	Gln	Leu	Glu	Ser	Lys	Gly	Leu	Thr	Leu	485	490	495	
Gln	Asn	Ser	Gln	Trp	Met	Asn	Gly	Thr	Val	Ile	Val	Asp	Ser	Thr	Val	500	505	510	
Gly	Lys	Asp	Thr	Leu	Phe	Leu	Ile	Thr	Trp	Thr	Thr	Gln	Pro	Pro	Gln	515	520	525	
Ile	Leu	Leu	Trp	Asp	Pro	Ser	Gly	Gln	Lys	Gln	Gly	Gly	Phe	Val	Val	530	535	540	
Asp	Lys	Asn	Thr	Lys	Met	Ala	Tyr	Leu	Gln	Ile	Pro	Gly	Ile	Ala	Lys	545	550	555	560
Val	Gly	Thr	Trp	Lys	Tyr	Ser	Leu	Gln	Ala	Ser	Ser	Gln	Thr	Leu	Thr	565	570	575	
Leu	Thr	Val	Thr	Ser	Arg	Ala	Ser	Asn	Ala	Thr	Leu	Pro	Pro	Ile	Thr	580	585	590	
Val	Thr	Ser	Lys	Thr	Asn	Lys	Asp	Thr	Ser	Lys	Phe	Pro	Ser	Pro	Leu	595	600	605	
Val	Val	Tyr	Ala	Asn	Ile	Arg	Gln	Gly	Ala	Ser	Pro	Ile	Leu	Arg	Ala	610	615	620	
Ser	Val	Thr	Ala	Leu	Ile	Glu	Ser	Val	Asn	Gly	Lys	Thr	Val	Thr	Leu	625	630	635	640
Glu	Leu	Leu	Asp	Asn	Gly	Ala	Gly	Ala	Asp	Ala	Thr	Lys	Asp	Asp	Gly	645	650	655	

Val	Tyr	Ser	Arg	Tyr	Phe	Thr	Thr	Tyr	Asp	Thr	Asn	Gly	Arg	Tyr	Ser	660	665	670
Val	Lys	Val	Arg	Ala	Leu	Gly	Gly	Val	Asn	Ala	Ala	Arg	Arg	Arg	Val	675	680	685
Ile	Pro	Gln	Gln	Ser	Gly	Ala	Leu	Tyr	Ile	Pro	Gly	Trp	Ile	Glu	Asn	690	695	700
Asp	Glu	Ile	Gln	Trp	Asn	Pro	Pro	Arg	Pro	Glu	Ile	Asn	Lys	Asp	Asp	705	710	715
Val	Gln	His	Lys	Gln	Val	Cys	Phe	Ser	Arg	Thr	Ser	Ser	Gly	Gly	Ser	725	730	735
Phe	Val	Ala	Ser	Asp	Val	Pro	Asn	Ala	Pro	Ile	Pro	Asp	Leu	Phe	Pro	740	745	750
Pro	Gly	Gln	Ile	Thr	Asp	Leu	Lys	Ala	Glu	Ile	His	Gly	Gly	Ser	Leu	755	760	765
Ile	Asn	Leu	Thr	Trp	Thr	Ala	Pro	Gly	Asp	Asp	Tyr	Asp	His	Gly	Thr	770	775	780
Ala	His	Lys	Tyr	Ile	Ile	Arg	Ile	Ser	Thr	Ser	Ile	Leu	Asp	Leu	Arg	785	790	795
Asp	Lys	Phe	Asn	Glu	Ser	Leu	Gln	Val	Asn	Thr	Thr	Ala	Leu	Ile	Pro	805	810	815
Lys	Glu	Ala	Asn	Ser	Glu	Glu	Val	Phe	Leu	Phe	Lys	Pro	Glu	Asn	Ile	820	825	830
Thr	Phe	Glu	Asn	Gly	Thr	Asp	Leu	Phe	Ile	Ala	Ile	Gln	Ala	Val	Asp	835	840	845
Lys	Val	Asp	Leu	Lys	Ser	Glu	Ile	Ser	Asn	Ile	Ala	Arg	Val	Ser	Leu	850	855	860
Phe	Ile	Pro	Pro	Gln	Thr	Pro	Pro	Glu	Thr	Pro	Ser	Pro	Asp	Glu	Thr	865	870	875
Ser	Ala	Pro	Cys	Pro	Asn	Ile	His	Ile	Asn	Ser	Thr	Ile	Pro	Gly	Ile	885	890	895
His	Ile	Leu	Lys	Ile	Met	Trp	Lys	Trp	Ile	Gly	Glu	Leu	Gln	Leu	Ser	900	905	910
Ile	Ala																	

<210> 2055
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 2055
 Met Ala Ser Cys Gly Leu Thr Gly Ala Ser Leu Pro Pro Cys Cys Cys
 1 5 10 15
 Ser Ser Phe Leu Ala Ala Leu Lys Ser Met Phe Trp Gly Leu Gly Ser
 20 25 30
 Leu Leu Trp Ser Leu Val Gly Ile Leu Ser Pro Ile Ser Ser Cys Phe
 35 40 45
 Cys Val Tyr Thr Cys Leu Thr Pro Gly Ser Ser Ser Leu Phe Pro Arg
 50 55 60
 Ala Val Thr Gln Lys Leu Glu Gln Ser Val Pro Thr Lys Ala Leu Trp
 65 70 75 80
 Gly Trp Met

<210> 2056
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 2056
 Met Ala Thr Val Gly Leu Ser Trp Lys Lys Glu Leu Val Ile Leu Leu
 1 5 10 15
 Val Gly Pro Gly Ala Ala Ala Leu Gln Pro Thr His Thr Cys Cys Ser
 20 25 30
 Leu Pro Ser Leu Ser Ser Leu Phe Pro Leu Arg Leu Asn Thr Lys Thr
 35 40 45
 Ser Pro Lys Thr Thr Arg Thr Asn Leu Tyr Leu Leu Ser Ile Ala Pro
 50 55 60
 Leu Ser His Leu
 65

<210> 2057
 <211> 73

<212> PRT
<213> Homo sapiens

<400> 2057

Met	Glu	Leu	Leu	Lys	Cys	Ser	Trp	Gln	Leu	Phe	Phe	Ser	Phe	Leu	Thr
1				5				10						15	
His	Cys	Ser	Ala	Ser	Thr	Ile	Val	Trp	Leu	Phe	Val	Gln	His	Arg	Leu
			20					25					30		
Ser	Gln	Ser	His	Asn	Lys	Pro	Phe	Phe	Gly	Ile	Leu	Gln	Arg	Cys	His
		35					40					45			
Ser	Trp	His	Leu	Asn	Arg	Glu	Ser	Phe	Val	Pro	Asn	Gln	Ser	Phe	Ser
	50					55					60				
Ile	Tyr	Glu	Ser	Cys	Ser	Ile	Arg	Lys							
65					70										

<210> 2058
<211> 85
<212> PRT
<213> Homo sapiens

<400> 2058

Met	Gln	Val	Phe	Phe	Leu	Ser	Glu	Ile	Gly	Met	Leu	Trp	Val	Val	Val
1				5					10					15	
Lys	Met	Ala	His	Ser	Ala	Met	Leu	Val	Ser	His	Thr	Gln	Asp	Pro	Thr
			20					25					30		
Pro	Ser	Arg	Trp	Pro	Cys	Ser	Leu	Ala	Gln	Ser	Ile	Leu	Leu	Thr	Cys
		35					40					45			
Ser	Pro	Gln	His	Arg	Phe	Ser	Leu	Glu	Arg	Lys	Ile	Gln	Leu	Pro	Pro
	50					55					60				
Arg	Arg	Trp	Trp	Ala	Glu	Gly	Arg	Glu	Gly	Cys	Trp	Val	Arg	Glu	Arg
65					70					75				80	
Val	Gly	Glu	Arg	Thr											
				85											

<210> 2059
<211> 51
<212> PRT
<213> Homo sapiens

<400> 2059

Met Leu Thr Leu Thr His Phe Val Ser Tyr Asp Tyr Phe Ile Val Lys
1 5 10 15

Arg Leu Val Gly Trp Leu Val Gly Trp Leu Val Cys Phe Val Leu Val
20 25 30

Ser Pro Phe Ile His Ser Leu Ser Thr Asn Tyr Asn Phe Leu Cys Phe
35 40 45

Met Cys Gly
50

<210> 2060

<211> 354

<212> PRT

<213> Homo sapiens

<400> 2060

Met Ala Pro Ala Lys Ala Thr Asn Val Val Arg Leu Leu Leu Gly Ser
1 5 10 15

Thr Ala Leu Trp Leu Ser Gln Leu Gly Ser Gly Thr Val Ala Ala Ser
20 25 30

Lys Ser Val Thr Ala His Leu Ala Ala Lys Trp Pro Glu Thr Pro Leu
35 40 45

Leu Leu Glu Ala Ser Glu Phe Met Ala Glu Glu Ser Asn Glu Lys Phe
50 55 60

Trp Gln Phe Leu Glu Thr Val Gln Glu Leu Ala Ile Tyr Lys Gln Thr
65 70 75 80

Glu Ser Asp Tyr Ser Tyr Tyr Asn Leu Ile Leu Lys Lys Ala Gly Gln
85 90 95

Phe Leu Asp Asn Leu His Ile Asn Leu Leu Lys Phe Ala Phe Ser Ile
100 105 110

Arg Ala Tyr Ser Pro Ala Ile Gln Met Phe Gln Gln Ile Ala Ala Asp
115 120 125

Glu Pro Pro Pro Asp Gly Cys Asn Ala Phe Val Val Ile His Lys Lys
130 135 140

His Thr Cys Lys Ile Asn Glu Ile Lys Lys Leu Leu Lys Lys Ala Ala
145 150 155 160

Ser Arg Thr Arg Pro Tyr Leu Phe Lys Gly Asp His Lys Phe Pro Thr

				165						170						175			
Asn	Lys	Glu	Asn	Leu	Pro	Val	Val	Ile	Leu	Tyr	Ala	Glu	Met	Gly	Thr				
			180					185					190						
Arg	Thr	Phe	Ser	Ala	Phe	His	Lys	Val	Leu	Ser	Glu	Lys	Ala	Gln	Asn				
		195					200					205							
Glu	Glu	Ile	Leu	Tyr	Val	Leu	Arg	His	Tyr	Ile	Gln	Lys	Pro	Ser	Ser				
	210					215					220								
Arg	Lys	Met	Tyr	Leu	Ser	Gly	Tyr	Gly	Val	Glu	Leu	Ala	Ile	Lys	Ser				
225					230					235					240				
Thr	Glu	Tyr	Lys	Ala	Leu	Asp	Asp	Thr	Gln	Val	Lys	Thr	Val	Thr	Asn				
				245					250						255				
Thr	Thr	Val	Glu	Asp	Glu	Thr	Glu	Thr	Asn	Glu	Val	Gln	Gly	Phe	Leu				
			260					265					270						
Phe	Gly	Lys	Leu	Lys	Glu	Ile	Tyr	Ser	Asp	Leu	Arg	Asp	Asn	Leu	Thr				
		275					280					285							
Ala	Phe	Gln	Lys	Tyr	Leu	Ile	Glu	Ser	Asn	Lys	Gln	Met	Met	Pro	Leu				
	290					295					300								
Lys	Val	Trp	Glu	Leu	Gln	Asp	Leu	Ser	Phe	Gln	Ala	Ala	Ser	Gln	Ile				
305					310					315					320				
Met	Ser	Ala	Pro	Val	Tyr	Asp	Ala	Ile	Lys	Leu	Met	Lys	Asp	Ile	Ser				
				325					330					335					
Gln	Asn	Phe	Pro	Ile	Lys	Ala	Arg	Val	Gln	Met	Ile	Gly	Asn	Val	Leu				
			340					345					350						

Ile Gly

<210> 2061

<211> 157

<212> PRT

<213> Homo sapiens

<400> 2061

Met	Gln	Ala	Pro	Arg	Ala	Ala	Leu	Val	Phe	Ala	Leu	Val	Ile	Ala	Leu
1				5					10					15	

Val	Pro	Val	Gly	Arg	Gly	Asn	Tyr	Glu	Glu	Leu	Glu	Asn	Ser	Gly	Asp
			20					25					30		

Thr Thr Val Glu Ser Glu Arg Pro Asn Lys Val Thr Ile Pro Ser Thr
 35 40 45
 Phe Ala Ala Val Thr Ile Lys Glu Thr Leu Asn Ala Asn Ile Asn Ser
 50 55 60
 Thr Asn Phe Ala Pro Asp Glu Asn Gln Leu Glu Phe Ile Leu Met Val
 65 70 75 80
 Leu Ile Pro Leu Ile Leu Leu Val Leu Leu Leu Leu Ser Val Val Phe
 85 90 95
 Leu Ala Thr Tyr Tyr Lys Arg Lys Arg Thr Lys Gln Glu Pro Ser Ser
 100 105 110
 Gln Gly Ser Gln Ser Ala Leu Gln Thr Cys Glu Tyr Tyr Pro Lys Thr
 115 120 125
 Cys Leu Gln Val Gly Val Gly Leu Glu Lys Glu Gln Arg Cys Phe Lys
 130 135 140
 Ile Lys Gln Gln Gly Leu His Ile Ile Val Ser Asp Lys
 145 150 155

<210> 2062
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 2062
 Met Val Leu Gly Phe Val Leu Leu Leu Phe Asn Met Gly Gly Thr Phe
 1 5 10 15
 Ser Asp Gly Arg Lys Glu Arg Arg Arg Thr Thr Phe Leu Arg Cys Cys
 20 25 30
 Asp Phe Ile Met Lys Pro Ser Pro Ala Leu Ile Leu Val Thr Ser Val
 35 40 45
 Gly Pro Val Leu Leu Gln Asn Ala Ser Trp Val Ser Val Cys Arg Thr
 50 55 60
 Leu Leu Ser
 65

<210> 2063
 <211> 43
 <212> PRT

<213> Homo sapiens

<400> 2063

Met Tyr Phe Phe Phe Phe Leu Thr Phe Leu Ala Leu Trp Val Met Gly
1 5 10 15

Thr Thr Ala Met Ala Ser Pro Phe Phe Met Gly Tyr Gln Leu Gln Tyr
20 25 30

Gly Pro Gln Cys Cys Ser Gly His Phe Asn Asp
35 40

<210> 2064

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2064

Met Cys Glu Gly Trp Leu His Pro Ile Phe Leu Tyr Cys Cys Phe Trp
1 5 10 15

Thr Thr Thr Pro Ser Cys Ser Ala Phe Gly Ile Leu Asp Leu His Gln
20 25 30

Gln His Pro Ile Pro Thr Pro Ser Ser Trp Phe Ser Gly Leu Cys Pro
35 40 45

Trp Thr Glu Leu His His Cys Leu Arg
50 55

<210> 2065

<211> 51

<212> PRT

<213> Homo sapiens

<400> 2065

Met Ile Ile Cys Leu Ile Met Phe Tyr Phe Ile Ala Leu Ala Gly Ala
1 5 10 15

His Lys Arg Val Val Ile Gln Leu Arg Glu Gln Leu Ser Leu Glu Ser
20 25 30

Arg Asp Lys Cys Tyr Leu Ile Gln Lys Leu Thr Glu Ala Gln Arg Asp
35 40 45

Met Arg Asn
50

<210> 2066

<211> 366

<212> PRT

<213> Homo sapiens

<400> 2066

Met	Ala	Cys	Leu	Lys	Thr	Gln	Arg	Ala	Pro	Lys	Ala	Phe	Leu	Leu	Leu	
1				5					10					15		
Pro	Leu	Leu	Leu	Tyr	Phe	Ala	Gly	Leu	Ser	Lys	Leu	Thr	Gln	Leu	Gln	
			20					25					30			
Val	Cys	Ser	Gly	Thr	Asp	Glu	Asp	Pro	Asp	Asp	Lys	Asn	Ala	Pro	Phe	
		35					40					45				
Arg	Gln	Arg	Pro	Phe	Cys	Lys	Tyr	Lys	Gly	His	Thr	Ala	Asp	Leu	Leu	
	50					55					60					
Asp	Leu	Ser	Trp	Ser	Lys	Asn	Tyr	Phe	Leu	Leu	Ser	Ser	Ser	Met	Asp	
65					70					75					80	
Lys	Thr	Val	Arg	Leu	Trp	His	Ile	Ser	Arg	Arg	Glu	Cys	Leu	Cys	Cys	
				85					90					95		
Phe	Gln	His	Ile	Asp	Phe	Val	Thr	Ala	Ile	Ala	Phe	His	Pro	Arg	Asp	
			100					105					110			
Asp	Arg	Tyr	Phe	Leu	Ser	Gly	Ser	Leu	Asp	Gly	Lys	Leu	Arg	Leu	Trp	
		115					120					125				
Asn	Ile	Pro	Asp	Lys	Lys	Val	Ala	Leu	Trp	Asn	Glu	Val	Asp	Gly	Gln	
	130					135					140					
Thr	Lys	Leu	Ile	Thr	Ala	Ala	Asn	Phe	Cys	Gln	Asn	Gly	Lys	Tyr	Ala	
145					150					155					160	
Val	Ile	Gly	Thr	Tyr	Asp	Gly	Arg	Cys	Ile	Phe	Tyr	Asp	Thr	Glu	His	
				165					170					175		
Leu	Lys	Tyr	His	Thr	Gln	Ile	His	Val	Arg	Ser	Thr	Arg	Gly	Arg	Asn	
			180					185					190			
Lys	Val	Gly	Arg	Lys	Ile	Thr	Gly	Ile	Glu	Pro	Leu	Pro	Gly	Glu	Asn	
		195					200					205				
Lys	Ile	Leu	Val	Thr	Ser	Asn	Asp	Ser	Arg	Ile	Arg	Leu	Tyr	Asp	Leu	
	210					215					220					
Arg	Asp	Leu	Ser	Leu	Ser	Met	Lys	Tyr	Lys	Gly	Tyr	Val	Asn	Ser	Ser	
225					230					235					240	

Ser Gln Ile Lys Ala Ser Phe Ser His Asp Phe Thr Tyr Leu Val Ser
 245 250 255
 Gly Ser Glu Asp Lys Tyr Val Tyr Ile Trp Ser Thr Tyr His Asp Leu
 260 265 270
 Ser Lys Phe Thr Ser Val Arg Arg Asp Arg Asn Asp Phe Trp Glu Gly
 275 280 285
 Ile Lys Ala His Asn Ala Val Val Thr Ser Ala Ile Phe Ala Pro Asn
 290 295 300
 Pro Ser Leu Met Leu Ser Leu Asp Val Gln Ser Glu Lys Ser Glu Gly
 305 310 315 320
 Asn Glu Lys Ser Glu Asp Ala Glu Val Leu Asp Ala Thr Pro Ser Gly
 325 330 335
 Ile Met Lys Thr Asp Asn Thr Glu Val Leu Leu Ser Ala Asp Phe Thr
 340 345 350
 Gly Ala Ile Lys Val Phe Val Asn Lys Arg Lys Asn Val Ser
 355 360 365

<210> 2067

<211> 187

<212> PRT

<213> Homo sapiens

<400> 2067

Met Val Ala Ala Thr Val Ala Ala Ala Trp Leu Leu Leu Trp Ala Ala
 1 5 10 15
 Ala Cys Ala Gln Gln Glu Gln Asp Phe Tyr Asp Phe Lys Ala Val Asn
 20 25 30
 Ile Arg Gly Lys Leu Val Ser Leu Glu Lys Tyr Arg Gly Ser Val Ser
 35 40 45
 Leu Val Val Asn Val Ala Ser Glu Cys Gly Phe Thr Asp Gln His Tyr
 50 55 60
 Arg Ala Leu Gln Gln Leu Gln Arg Asp Leu Gly Pro His His Phe Asn
 65 70 75 80
 Val Leu Ala Phe Pro Cys Asn Gln Phe Gly Gln Gln Glu Pro Asp Ser
 85 90 95
 Asn Lys Glu Ile Glu Ser Phe Ala Arg Arg Thr Tyr Ser Val Ser Phe

100	105	110
Pro Met Phe Ser Lys Ile Ala Val Thr Gly Thr Gly Ala His Pro Ala		
115	120	125
Phe Lys Tyr Leu Ala Gln Thr Ser Gly Lys Glu Pro Thr Trp Asn Phe		
130	135	140
Trp Lys Tyr Leu Val Ala Pro Asp Gly Lys Val Val Gly Ala Trp Asp		
145	150	155
Pro Thr Val Ser Val Glu Glu Val Arg Pro Gln Ile Thr Ala Leu Val		
165	170	175
Arg Lys Leu Ile Leu Leu Lys Arg Glu Asp Leu		
180	185	

<210> 2068
 <211> 346
 <212> PRT
 <213> Homo sapiens

<400> 2068
Met Asp Pro Ala Arg Lys Ala Gly Ala Gln Ala Met Ile Trp Thr Ala
1 5 10 15
Gly Trp Leu Leu Leu Leu Leu Leu Arg Gly Gly Ala Gln Ala Leu Glu
20 25 30
Cys Tyr Ser Cys Val Gln Lys Ala Asp Asp Gly Cys Ser Pro Asn Lys
35 40 45
Met Lys Thr Val Lys Cys Ala Pro Gly Val Asp Val Cys Thr Glu Ala
50 55 60
Val Gly Ala Val Glu Thr Ile His Gly Gln Phe Ser Leu Ala Val Arg
65 70 75 80
Gly Cys Gly Ser Gly Leu Pro Gly Lys Asn Asp Arg Gly Leu Asp Leu
85 90 95
His Gly Leu Leu Ala Phe Ile Gln Leu Gln Gln Cys Ala Gln Asp Arg
100 105 110
Cys Asn Ala Lys Leu Asn Leu Thr Ser Arg Ala Leu Asp Pro Ala Gly
115 120 125
Asn Glu Ser Ala Tyr Pro Pro Asn Gly Val Glu Cys Tyr Ser Cys Val
130 135 140

Gly	Leu	Ser	Arg	Glu	Ala	Cys	Gln	Gly	Thr	Ser	Pro	Pro	Val	Val	Ser	
145					150					155					160	
Cys	Tyr	Asn	Ala	Ser	Asp	His	Val	Tyr	Lys	Gly	Cys	Phe	Asp	Gly	Asn	
				165					170					175		
Val	Thr	Leu	Thr	Ala	Ala	Asn	Val	Thr	Val	Ser	Leu	Pro	Val	Arg	Gly	
			180					185					190			
Cys	Val	Gln	Asp	Glu	Phe	Cys	Thr	Arg	Asp	Gly	Val	Thr	Gly	Pro	Gly	
		195					200					205				
Phe	Thr	Leu	Ser	Gly	Ser	Cys	Cys	Gln	Gly	Ser	Arg	Cys	Asn	Ser	Asp	
	210					215					220					
Leu	Arg	Asn	Lys	Thr	Tyr	Phe	Ser	Pro	Arg	Ile	Pro	Pro	Leu	Val	Arg	
225					230					235					240	
Leu	Pro	Pro	Pro	Glu	Pro	Thr	Thr	Val	Ala	Ser	Thr	Thr	Ser	Val	Thr	
				245					250					255		
Thr	Ser	Thr	Ser	Ala	Pro	Val	Arg	Pro	Thr	Ser	Thr	Thr	Lys	Pro	Met	
			260					265					270			
Pro	Ala	Pro	Thr	Ser	Gln	Thr	Pro	Arg	Gln	Gly	Val	Glu	His	Glu	Ala	
		275					280					285				
Ser	Arg	Asp	Glu	Glu	Pro	Arg	Leu	Thr	Gly	Gly	Ala	Ala	Gly	His	Gln	
	290					295					300					
Asp	Arg	Ser	Asn	Ser	Gly	Gln	Tyr	Pro	Ala	Lys	Gly	Gly	Pro	Gln	Gln	
305					310					315					320	
Pro	His	Asn	Lys	Gly	Cys	Val	Ala	Pro	Thr	Ala	Gly	Leu	Ala	Ala	Leu	
				325					330					335		
Leu	Leu	Ala	Val	Ala	Ala	Gly	Val	Leu	Leu							
			340					345								

<210> 2069

<211> 47

<212> PRT

<213> Homo sapiens

<400> 2069

Met	Arg	Leu	Ser	Arg	Ala	Ala	His	Asn	Leu	Gln	Thr	Ile	Leu	Tyr	Ser	
1					5				10					15		

Val	Phe	Cys	Leu	Cys	Leu	His	Val	Ala	Met	Met	Asp	Arg	Ser	Pro	Ser	
			20					25					30			

Ser Ile Leu Ala Leu Trp Arg Ser Gly Ser Cys Ser Val Glu Ile
35 40 45

<210> 2070

<211> 102

<212> PRT

<213> Homo sapiens

<400> 2070

Met Leu Leu His Trp Leu Leu Gln Asn Glu Leu Gln Ser Ala Val Ala
1 5 10 15

Ser Cys Leu Val Ser Ile Ser Leu Gly Lys Glu Asp Phe Leu Gln Thr
20 25 30

Gly Cys Lys Val Lys Ser His Val Gly Val Ile His Arg Arg Glu Lys
35 40 45

Gly Gly Ala Ile Tyr Leu Pro Asn Ser Leu Val Leu Pro Thr Ser His
50 55 60

Trp Ile Arg Leu Ser Tyr Arg Asn Arg His Arg Gly Phe Ile Leu Trp
65 70 75 80

Thr Leu Met Ser Thr Trp Glu Ala Arg Cys His Gly Pro Cys Val Met
85 90 95

Phe Asp Phe Asn Gln Lys
100

<210> 2071

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2071

Met Val Thr Leu Ala Glu Leu Leu Val Leu Leu Ala Ala Leu Leu Ala
1 5 10 15

Thr Val Ser Gly Tyr Phe Val Ser Ile Asp Ala His Ala Glu Glu Cys
20 25 30

Phe	Phe	Glu	Arg	Val	Thr	Ser	Gly	Thr	Lys	Met	Gly	Leu	Ile	Phe	Glu
		35					40					45			
Val	Ala	Glu	Gly	Gly	Phe	Leu	Asp	Ile	Asp	Val	Glu	Val	Arg	Ala	Ser
	50					55					60				
Cys	Pro	Gln	Leu	Arg	Leu	Gly	Arg	Val	Ala	Thr	Arg	Gly	Leu	Val	Ala
	65				70					75					80
Pro	Gly	Thr	Gly	Ala	Gly	Pro	Val	Trp	Gly	Val	Gly	Leu	Glu	Val	Ala
				85					90					95	
Val	Arg	Val	Leu	Glu	Lys	Pro	Arg	Pro	Pro	Pro	Pro	Ala	Pro	Pro	Arg
			100					105					110		
Pro	Arg	Arg	Pro	Pro	Asn	Gly	Pro	Phe	Ser	Arg	Asp	Leu	Pro	Gly	Phe
	115						120					125			
Arg	Asp	Pro	Leu	Gly	Ala	Pro	Ser	Ala	Xaa	Leu	Val	Ala	Leu	Gly	Phe
	130					135					140				

<210> 2072
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 2072
 Met Gly Ser Ser Leu Ala Phe Ile Leu Phe Leu Pro
 1 5 10

<210> 2073
 <211> 201
 <212> PRT
 <213> Homo sapiens

<400> 2073
 Met Val Thr Leu Ala Glu Leu Leu Val Leu Leu Ala Ala Leu Leu Ala
 1 5 10 15
 Thr Val Ser Gly Tyr Phe Val Ser Ile Asp Ala His Ala Glu Glu Cys
 20 25 30
 Phe Phe Glu Arg Val Thr Ser Gly Thr Lys Met Gly Leu Ile Phe Glu
 35 40 45

Val Ala Glu Gly Gly Phe Leu Asp Ile Asp Val Glu Ile Thr Gly Pro
 50 55 60
 Asp Asn Lys Gly Ile Tyr Lys Gly Asp Arg Glu Ser Ser Gly Lys Tyr
 65 70 75 80
 Thr Phe Ala Ala His Met Asp Gly Thr Tyr Lys Phe Cys Phe Ser Asn
 85 90 95
 Arg Met Ser Thr Met Thr Pro Lys Ile Val Met Phe Thr Ile Asp Ile
 100 105 110
 Gly Glu Ala Pro Lys Gly Gln Asp Met Glu Thr Glu Ala His Gln Asn
 115 120 125
 Lys Leu Glu Glu Met Ile Asn Glu Leu Ala Val Ala Met Thr Ala Val
 130 135 140
 Lys His Glu Gln Glu Tyr Met Glu Val Arg Glu Arg Ile His Arg Ala
 145 150 155 160
 Ile Asn Asp Asn Thr Asn Ser Arg Val Val Leu Trp Ser Phe Phe Glu
 165 170 175
 Ala Leu Val Leu Val Ala Met Thr Leu Gly Gln Ile Tyr Tyr Leu Lys
 180 185 190
 Arg Phe Phe Glu Val Arg Arg Val Val
 195 200

<210> 2074
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 2074
 Met Leu Ser Ala Ser Ile Trp Leu Val Leu Ile Ile Ser Arg Gly Asn
 1 5 10 15
 Ala Arg Gln Lys Val Lys Leu Cys Phe Leu Leu Met Leu Leu Ala Thr
 20 25 30
 Trp Lys Arg Arg Arg Gly Arg Gly Lys Arg Gly Arg Ser
 35 40 45

<210> 2075
 <211> 201
 <212> PRT

<213> Homo sapiens

<400> 2075

Met	Val	Thr	Leu	Ala	Glu	Leu	Leu	Val	Leu	Leu	Ala	Ala	Leu	Leu	Ala		
1				5					10					15			
Thr	Val	Ser	Gly	Tyr	Phe	Val	Ser	Ile	Asp	Ala	His	Ala	Glu	Glu	Cys		
			20					25					30				
Phe	Phe	Glu	Arg	Val	Thr	Ser	Gly	Thr	Lys	Met	Gly	Leu	Ile	Phe	Glu		
		35					40					45					
Val	Ala	Glu	Gly	Gly	Phe	Leu	Asp	Ile	Asp	Val	Glu	Ile	Thr	Gly	Pro		
	50					55					60						
Asp	Asn	Lys	Gly	Ile	Tyr	Lys	Gly	Asp	Arg	Glu	Ser	Ser	Gly	Lys	Tyr		
65					70					75					80		
Thr	Phe	Ala	Ala	His	Met	Asp	Gly	Thr	Tyr	Lys	Phe	Cys	Phe	Ser	Asn		
				85					90					95			
Arg	Met	Ser	Thr	Met	Thr	Pro	Lys	Ile	Val	Met	Phe	Thr	Ile	Asp	Ile		
			100					105					110				
Gly	Glu	Ala	Pro	Lys	Gly	Gln	Asp	Met	Glu	Thr	Glu	Ala	His	Gln	Asn		
		115					120					125					
Lys	Leu	Glu	Glu	Met	Ile	Asn	Glu	Leu	Ala	Val	Ala	Met	Thr	Ala	Val		
	130					135					140						
Lys	His	Glu	Gln	Glu	Tyr	Met	Glu	Val	Arg	Glu	Arg	Ile	His	Arg	Ala		
145					150					155					160		
Ile	Asn	Asp	Asn	Thr	Asn	Ser	Arg	Val	Val	Leu	Trp	Ser	Phe	Phe	Glu		
				165					170					175			
Ala	Leu	Val	Leu	Val	Ala	Met	Thr	Leu	Gly	Gln	Ile	Tyr	Tyr	Leu	Lys		
			180					185					190				
Arg	Phe	Phe	Glu	Val	Arg	Arg	Val	Val									
		195					200										

<210> 2076

<211> 201

<212> PRT

<213> Homo sapiens

<400> 2076

Met	Val	Thr	Leu	Ala	Glu	Leu	Leu	Val	Leu	Leu	Ala	Ala	Leu	Leu	Ala		
1				5					10					15			

Thr Val Ser Gly Tyr Phe Val Ser Ile Asp Ala His Ala Glu Glu Cys
 20 25 30
 Phe Phe Glu Arg Val Thr Ser Gly Thr Lys Met Gly Leu Ile Phe Glu
 35 40 45
 Val Ala Glu Gly Gly Phe Leu Asp Ile Asp Val Glu Ile Thr Gly Pro
 50 55 60
 Asp Asn Lys Gly Ile Tyr Lys Gly Asp Arg Glu Ser Ser Gly Lys Tyr
 65 70 75 80
 Thr Phe Ala Ala His Met Asp Gly Thr Tyr Lys Phe Cys Phe Ser Asn
 85 90 95
 Arg Met Ser Thr Met Thr Pro Lys Ile Val Met Phe Thr Ile Asp Ile
 100 105 110
 Gly Glu Ala Pro Lys Gly Gln Asp Met Glu Thr Glu Ala His Gln Asn
 115 120 125
 Lys Leu Glu Glu Met Ile Asn Glu Leu Ala Val Ala Met Thr Ala Val
 130 135 140
 Lys His Glu Gln Glu Tyr Met Glu Val Arg Glu Arg Ile His Arg Ala
 145 150 155 160
 Ile Asn Asp Asn Thr Asn Ser Arg Val Val Leu Trp Ser Phe Phe Glu
 165 170 175
 Ala Leu Val Leu Val Ala Met Thr Leu Gly Gln Ile Tyr Tyr Leu Lys
 180 185 190
 Arg Phe Phe Glu Val Arg Arg Val Val
 195 200

<210> 2077

<211> 587

<212> PRT

<213> Homo sapiens

<400> 2077

Met Trp Arg Leu Gly Cys Leu Ile Trp Glu Val Phe Asn Gly Pro Leu
 1 5 10 15

Pro Arg Ala Ala Ala Leu Arg Asn Pro Gly Lys Ile Pro Lys Thr Leu
 20 25 30

Val Pro His Tyr Cys Glu Leu Val Gly Ala Asn Pro Lys Val Arg Pro

Gln	Ala	Phe	Lys	Ala	Ile	Arg	Ser	Phe	Leu	Ser	Lys	Leu	Glu	Ser	Val	325	330	335	
Ser	Glu	Asp	Pro	Thr	Gln	Leu	Glu	Glu	Val	Glu	Lys	Asp	Val	His	Ala	340	345	350	
Ala	Ser	Ser	Pro	Gly	Met	Gly	Gly	Ala	Ala	Ala	Ser	Trp	Ala	Gly	Trp	355	360	365	
Ala	Val	Thr	Gly	Val	Ser	Ser	Leu	Thr	Ser	Lys	Leu	Ile	Arg	Ser	His	370	375	380	
Pro	Thr	Thr	Ala	Pro	Thr	Glu	Thr	Asn	Ile	Pro	Gln	Arg	Pro	Thr	Pro	385	390	395	400
Glu	Gly	His	Trp	Glu	Thr	Gln	Glu	Glu	Asp	Lys	Asp	Thr	Ala	Glu	Asp	405	410	415	
Ser	Ser	Thr	Ala	Asp	Arg	Trp	Asp	Asp	Glu	Asp	Trp	Gly	Ser	Leu	Glu	420	425	430	
Gln	Glu	Ala	Glu	Ser	Val	Leu	Ala	Gln	Gln	Asp	Asp	Trp	Ser	Thr	Gly	435	440	445	
Gly	Gln	Val	Ser	Arg	Ala	Ser	Gln	Val	Ser	Asn	Ser	Asp	His	Lys	Ser	450	455	460	
Ser	Lys	Ser	Pro	Glu	Ser	Asp	Trp	Ser	Ser	Trp	Glu	Ala	Glu	Gly	Ser	465	470	475	480
Trp	Glu	Gln	Gly	Trp	Gln	Glu	Pro	Ser	Ser	Gln	Glu	Pro	Pro	Pro	Asp	485	490	495	
Gly	Thr	Arg	Leu	Ala	Ser	Glu	Tyr	Asn	Trp	Gly	Gly	Pro	Glu	Ser	Ser	500	505	510	
Asp	Lys	Gly	Asp	Pro	Phe	Ala	Thr	Leu	Ser	Ala	Arg	Pro	Ser	Thr	Gln	515	520	525	
Pro	Arg	Pro	Asp	Ser	Trp	Gly	Glu	Asp	Asn	Trp	Glu	Gly	Leu	Glu	Thr	530	535	540	
Asp	Ser	Arg	Gln	Val	Lys	Ala	Glu	Leu	Ala	Arg	Lys	Lys	Arg	Glu	Glu	545	550	555	560
Arg	Arg	Arg	Glu	Met	Glu	Ala	Lys	Arg	Ala	Glu	Arg	Lys	Val	Ala	Lys	565	570	575	
Gly	Pro	Met	Lys	Leu	Gly	Ala	Arg	Lys	Leu	Asp						580	585		

<210> 2078

<211> 124

<212> PRT

<213> Homo sapiens

<400> 2078

Met Arg Gln Val Ala Pro Ala Arg Arg Ala Gln Leu Glu His Ser Gly
1 5 10 15

Leu His Ala Ser Leu Cys Leu Leu Ser Leu Leu Ser Leu Leu Pro Thr
20 25 30

Leu Glu Ala Asn Met Ser Gly Phe His Gln Ala Pro Leu Thr Leu Leu
35 40 45

Pro Ser Cys Thr Gln Gly Asp Gly Glu Ala Arg Gly His His Thr Gln
50 55 60

Pro Ser Phe Trp Arg Thr Glu Met Lys Cys Pro Val Glu Ala Leu Leu
65 70 75 80

Glu His Leu Ala Thr Arg Ala Val Val Gly Arg Asn Gly Asp His Gly
85 90 95

Ala Gln Gln Glu His Arg Thr Ala Ser Glu Gly Gln Gln Gln Pro Leu
100 105 110

Ala Glu Ser Ser Pro Trp Trp Gln Pro Pro His Gly
115 120

<210> 2079

<211> 74

<212> PRT

<213> Homo sapiens

<400> 2079

Met Ala Leu Phe Ala Trp Leu Cys Leu Ser Ala Val Val Glu Ser Ser
1 5 10 15

Ser Pro Gly Met Cys Met Ser Lys Cys Val Leu Ile Val Met Pro Arg
20 25 30

Gln Lys Pro Leu Glu Asp Cys Cys Arg His Ala Leu Lys Met Thr Ser
35 40 45

His Ser Ser Glu Lys Leu Gly Asp Leu Thr Pro Glu Gly Leu Lys Ser
50 55 60

Glu Lys Ser Gln Glu His Leu Gly Phe Lys
65 70

<210> 2080
<211> 76
<212> PRT
<213> Homo sapiens

<400> 2080
Met Val Val Asp Leu Phe Phe Tyr Leu Leu Cys Ile Phe Leu Val Leu
1 5 10 15
Trp Val Leu Glu Ala Met Ile Lys His Leu Met Tyr Ser Asp Met Ser
20 25 30
Ala Leu Ile Ala Ser Phe Ser Ser Phe Leu Asn Cys Ile His Tyr Phe
35 40 45
Gln Asn Arg Tyr Arg Tyr Ser Val Pro Pro Phe Glu Leu Leu Ala Cys
50 55 60
Ser Cys Phe Pro Leu Ser Pro Lys Gln Gly Phe Phe
65 70 75

<210> 2081
<211> 146
<212> PRT
<213> Homo sapiens

<400> 2081
Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Leu Pro Leu Leu
1 5 10 15
Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Ala
20 25 30
Thr Ala Ala Arg Gly Ala Leu Glu Lys Ala Ser Gly Gln Arg Arg Glu
35 40 45
Pro Glu Met Gln Arg Pro Glu Ala Ala Arg Ser Leu Pro Glu Gly Thr
50 55 60
Val Pro Pro Glu Val Glu Glu Pro Pro Pro Leu Cys His Leu Glu Gln
65 70 75 80
Leu Trp Arg Cys Ser Ser Pro Leu Ala Gln Ser Phe Cys Gly Ser Gly
85 90 95

Ser Gly Trp Pro Arg Pro Ala Cys Ala Leu Pro Leu Cys Pro Pro Pro
100 105 110

Cys Ala Gly Ala Pro Cys Cys Thr Ala Ser Ala Ala Ala Arg Ala
115 120 125

Arg Trp Cys Trp Arg Gln Ser Phe Trp Ser Pro Trp Ser Arg Thr Cys
130 135 140

Pro Pro
145

<210> 2082

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2082

Met Arg Leu Phe Ser Gln Met Leu Lys Ser Trp Met Ala Leu Phe Met
1 5 10 15

Arg Asn Val Trp Leu Glu Met Thr Ile Ala Thr Xaa Ile Gln
20 25 30

<210> 2083

<211> 56

<212> PRT

<213> Homo sapiens

<400> 2083

Met Arg Leu Phe Ser Gln Met Leu Lys Ser Trp Met Ala Leu Phe Met
1 5 10 15

Arg Asn Val Trp Leu Glu Met Thr Ile Ala Thr Ala His Thr Val Ser
20 25 30

Thr Val His Trp Arg Lys Trp Thr Lys Met Leu Val Gln Ser Pro Thr
35 40 45

Gln Val Lys Met Asn Val Ser Gln
50 55

<210> 2084

<211> 563

<212> PRT

<213> Homo sapiens

<400> 2084

Met	Gly	Ser	Leu	Ser	Asn	Tyr	Ala	Leu	Leu	Gln	Leu	Thr	Leu	Thr	Ala	
1				5					10					15		
Phe	Leu	Thr	Ile	Leu	Val	Gln	Pro	Gln	His	Leu	Leu	Ala	Pro	Val	Phe	
			20					25					30			
Arg	Thr	Leu	Ser	Ile	Leu	Thr	Asn	Gln	Ser	Asn	Cys	Trp	Leu	Cys	Glu	
		35					40					45				
His	Leu	Asp	Asn	Ala	Glu	Gln	Pro	Glu	Leu	Val	Phe	Val	Pro	Ala	Ser	
	50					55					60					
Ala	Ser	Thr	Trp	Trp	Thr	Tyr	Ser	Gly	Gln	Trp	Met	Tyr	Glu	Arg	Val	
65					70					75					80	
Trp	Tyr	Pro	Gln	Ala	Glu	Val	Gln	Asn	His	Ser	Thr	Ser	Ser	Tyr	Arg	
				85					90					95		
Lys	Val	Thr	Trp	His	Trp	Glu	Ala	Ser	Met	Glu	Ala	Gln	Gly	Leu	Ser	
			100					105					110			
Phe	Ala	Gln	Val	Arg	Leu	Leu	Glu	Gly	Asn	Phe	Ser	Leu	Cys	Val	Glu	
		115					120					125				
Asn	Lys	Asn	Gly	Ser	Gly	Pro	Phe	Leu	Gly	Asn	Ile	Pro	Lys	Gln	Tyr	
	130					135					140					
Cys	Asn	Gln	Ile	Leu	Trp	Phe	Asp	Ser	Thr	Asp	Gly	Thr	Phe	Met	Pro	
145					150					155					160	
Ser	Ile	Asp	Val	Thr	Asn	Glu	Ser	Arg	Asn	Asp	Asp	Asp	Asp	Pro	Ser	
				165					170					175		
Val	Cys	Leu	Gly	Thr	Arg	Gln	Cys	Ser	Trp	Phe	Ala	Gly	Cys	Thr	Asn	
			180					185					190			
Arg	Thr	Trp	Asn	Ser	Ser	Ala	Val	Pro	Leu	Ile	Gly	Leu	Pro	Asn	Thr	
		195				200						205				
Gln	Asp	Tyr	Lys	Trp	Val	Asp	Arg	Asn	Ser	Gly	Leu	Thr	Trp	Ser	Gly	
	210					215					220					
Asn	Asp	Thr	Cys	Leu	Tyr	Ser	Cys	Gln	Asn	Gln	Thr	Lys	Gly	Leu	Leu	
225					230					235					240	

Tyr	Gln	Leu	Phe	Arg	Asn	Leu	Phe	Cys	Ser	Tyr	Gly	Leu	Thr	Glu	Ala	
				245					250					255		
His	Gly	Lys	Trp	Arg	Cys	Ala	Asp	Ala	Ser	Ile	Thr	Asn	Asp	Lys	Gly	
			260					265					270			
His	Asp	Gly	His	Arg	Thr	Pro	Thr	Trp	Trp	Leu	Thr	Gly	Ser	Asn	Leu	
		275					280					285				
Thr	Leu	Ser	Val	Asn	Asn	Ser	Gly	Leu	Phe	Phe	Leu	Cys	Gly	Asn	Gly	
	290					295					300					
Val	Tyr	Lys	Gly	Phe	Pro	Pro	Lys	Trp	Ser	Gly	Arg	Cys	Gly	Leu	Gly	
305					310					315					320	
Tyr	Leu	Val	Pro	Ser	Leu	Thr	Arg	Tyr	Leu	Thr	Leu	Asn	Ala	Ser	Gln	
				325					330					335		
Ile	Thr	Asn	Leu	Arg	Ser	Phe	Ile	His	Lys	Val	Thr	Pro	His	Arg	Cys	
		340						345					350			
Thr	Gln	Gly	Asp	Thr	Asp	Asn	Pro	Pro	Leu	Tyr	Cys	Asn	Pro	Lys	Asp	
		355					360					365				
Asn	Ser	Thr	Ile	Arg	Ala	Leu	Phe	Pro	Ser	Leu	Gly	Thr	Tyr	Asp	Leu	
	370					375					380					
Glu	Lys	Ala	Ile	Leu	Asn	Ile	Ser	Lys	Ala	Met	Glu	Gln	Glu	Phe	Ser	
385					390					395					400	
Ala	Thr	Lys	Gln	Thr	Leu	Glu	Ala	His	Gln	Ser	Lys	Val	Ser	Ser	Leu	
				405					410					415		
Ala	Ser	Ala	Ser	Arg	Lys	Asp	His	Val	Leu	Asp	Ile	Pro	Thr	Thr	Gln	
			420					425					430			
Arg	Gln	Thr	Ala	Cys	Gly	Thr	Val	Gly	Lys	Gln	Cys	Cys	Leu	Tyr	Ile	
		435					440					445				
Asn	Tyr	Ser	Glu	Glu	Ile	Lys	Ser	Asn	Ile	Gln	Arg	Leu	His	Glu	Ala	
	450					455					460					
Ser	Glu	Asn	Leu	Lys	Asn	Val	Pro	Leu	Leu	Asp	Trp	Gln	Gly	Ile	Phe	
465					470					475					480	
Ala	Lys	Val	Gly	Asp	Trp	Phe	Arg	Ser	Trp	Gly	Tyr	Val	Leu	Leu	Ile	
				485					490					495		
Val	Leu	Phe	Cys	Leu	Phe	Ile	Phe	Val	Leu	Ile	Tyr	Val	Arg	Val	Phe	
			500					505					510			
Arg	Lys	Ser	Arg	Arg	Ser	Leu	Asn	Ser	Gln	Pro	Leu	Asn	Leu	Ala	Leu	

515	520	525
Ser Pro Gln Gln Ser Ala Gln Leu Leu Val Ser Glu Thr Ser Cys Gln		
530	535	540
Val Ser Asn Arg Ala Met Lys Gly Leu Thr Thr His Gln Tyr Asp Thr		
545	550	555
		560
Ser Leu Leu		

<210> 2085
 <211> 599
 <212> PRT
 <213> Homo sapiens

<400> 2085															
Met	Glu	Leu	Leu	Gly	Pro	Val	Pro	Pro	Glu	Gln	Gln	Phe	Ile	Asn	Gln
1				5					10					15	
Lys	Met	Arg	Pro	Gly	Ser	Gly	Met	Leu	Ser	Ile	Arg	Val	Ile	Pro	Asp
			20					25					30		
Gly	Pro	Thr	Arg	Ala	Leu	Gln	Ile	Thr	Asp	Phe	Cys	His	Arg	Lys	Ser
		35					40					45			
Ser	Arg	Ser	Tyr	Glu	Val	Asp	Glu	Leu	Pro	Val	Thr	Glu	Gln	Glu	Leu
	50					55					60				
Gln	Lys	Leu	Lys	Asn	Pro	Asp	Thr	Glu	Gln	Glu	Leu	Glu	Val	Leu	Val
65					70					75					80
Arg	Leu	Glu	Gly	Gly	Ile	Gly	Leu	Ser	Leu	Ile	Asn	Lys	Val	Pro	Glu
				85					90					95	
Glu	Leu	Val	Phe	Ala	Ser	Leu	Thr	Gly	Ile	Asn	Val	His	Tyr	Thr	Gln
			100					105					110		
Leu	Ala	Thr	Ser	His	Met	Leu	Glu	Leu	Ser	Ile	Gln	Asp	Val	Gln	Val
		115					120					125			
Asp	Asn	Gln	Leu	Ile	Gly	Thr	Thr	Gln	Pro	Phe	Met	Leu	Tyr	Val	Thr
	130					135					140				
Pro	Leu	Ser	Asn	Glu	Asn	Glu	Val	Ile	Glu	Thr	Gly	Pro	Ala	Val	Gln
145					150					155					160
Val	Asn	Ala	Val	Lys	Phe	Pro	Ser	Lys	Ser	Ala	Leu	Thr	Asn	Ile	Tyr
				165					170					175	

Lys His Leu Met Ile Thr Ala Gln Arg Phe Thr Val Gln Ile Glu Glu
 180 185 190
 Lys Leu Leu Leu Lys Leu Leu Ser Phe Phe Gly Tyr Asp Gln Ala Glu
 195 200 205
 Ser Glu Val Glu Lys Tyr Asp Glu Asn Leu His Glu Lys Thr Ala Glu
 210 215 220
 Gln Gly Gly Thr Pro Ile Arg Tyr Tyr Phe Glu Asn Leu Lys Ile Ser
 225 230 235 240
 Ile Pro Gln Ile Lys Leu Ser Val Phe Thr Ser Asn Lys Leu Pro Leu
 245 250 255
 Asp Leu Lys Ala Leu Lys Ser Thr Leu Gly Phe Pro Leu Ile Arg Phe
 260 265 270
 Glu Asp Ala Val Ile Asn Leu Asp Pro Phe Thr Arg Val His Pro Tyr
 275 280 285
 Glu Thr Lys Glu Phe Ile Ile Asn Asp Ile Leu Lys His Phe Gln Glu
 290 295 300
 Glu Leu Leu Ser Gln Ala Ala Arg Ile Leu Gly Ser Val Asp Phe Leu
 305 310 315 320
 Gly Asn Pro Met Gly Leu Leu Asn Asp Val Ser Glu Gly Val Thr Gly
 325 330 335
 Leu Ile Lys Tyr Gly Asn Val Gly Gly Leu Ile Arg Asn Val Thr His
 340 345 350
 Gly Val Ser Asn Ser Ala Gly Lys Phe Ala Gly Thr Leu Ser Asp Gly
 355 360 365
 Leu Gly Lys Thr Met Asp Asn Arg His Gln Ser Glu Arg Glu Tyr Ile
 370 375 380
 Arg Tyr His Ala Ala Thr Ser Gly Glu His Leu Val Ala Gly Ile His
 385 390 395 400
 Gly Leu Ala His Gly Ile Ile Gly Gly Leu Thr Ser Val Ile Thr Ser
 405 410 415
 Thr Val Glu Gly Val Lys Thr Glu Gly Gly Val Ser Gly Phe Ile Ser
 420 425 430
 Gly Leu Gly Lys Gly Leu Val Gly Thr Val Thr Lys Pro Val Ala Gly
 435 440 445
 Ala Leu Asp Phe Ala Ser Glu Thr Ala Gln Ala Val Arg Asp Thr Ala

450		455		460											
Thr	Leu	Ser	Gly	Pro	Arg	Thr	Gln	Ala	Gln	Arg	Val	Arg	Lys	Pro	Arg
465					470					475					480
Cys	Cys	Thr	Gly	Pro	Gln	Gly	Leu	Leu	Pro	Arg	Tyr	Ser	Glu	Ser	Gln
				485					490					495	
Ala	Glu	Gly	Gln	Glu	Gln	Leu	Phe	Lys	Leu	Thr	Asp	Asn	Ile	Gln	Asp
			500					505					510		
Glu	Phe	Phe	Ile	Ala	Val	Glu	Asn	Ile	Asp	Ser	Tyr	Cys	Val	Leu	Ile
	515						520					525			
Ser	Ser	Lys	Ala	Val	Tyr	Phe	Leu	Lys	Ser	Gly	Asp	Tyr	Val	Asp	Arg
	530					535					540				
Glu	Ala	Ile	Phe	Leu	Glu	Val	Lys	Tyr	Asp	Asp	Leu	Leu	Pro	Leu	Pro
545					550					555					560
Cys	Leu	Gln	Arg	Pro	Trp	Glu	Gly	Val	Cys	Ala	Gly	Asp	Gln	Glu	Ser
				565					570					575	
Arg	Glu	His	Glu	Gln	Trp	Ser	Val	His	Pro	Arg	Pro	Leu	Pro	Pro	Glu
		580						585					590		
Ala	His	Gly	Pro	Cys	Glu	Ile									
	595														

<210> 2086
 <211> 239
 <212> PRT
 <213> Homo sapiens

<400> 2086															
Met	Ala	Pro	Leu	Leu	Pro	Ser	Leu	Pro	Leu	His	Leu	His	Thr	Ser	Leu
1	5	10	15												
Cys	Leu	Arg	Leu	Cys	Leu	Ser	Leu	Ser	Leu	Ser	Ala	Trp	Leu	Ser	Trp
	20						25						30		
Ser	Leu	Pro	Leu	Cys	Val	Ser	Leu	Ser	Ala	Ser	Tyr	Pro	Ala	Trp	Arg
	35						40					45			
Leu	Leu	Pro	Gln	Leu	His	Gly	Arg	Ser	Arg	Glu	Gln	Arg	Tyr	Thr	Lys
	50					55					60				
Leu	Ala	Asp	Trp	Gln	Tyr	Ile	Glu	Glu	Cys	Val	Gln	Ala	Ala	Ser	Pro
65					70					75					80

Met	Pro	Leu	Phe	Gly	Asn	Gly	Asp	Ile	Leu	Ser	Phe	Glu	Asp	Ala	Asn
				85					90					95	
Arg	Ala	Met	Gln	Thr	Gly	Val	Thr	Gly	Ile	Met	Ile	Ala	Arg	Gly	Ala
			100					105					110		
Leu	Leu	Lys	Pro	Trp	Leu	Phe	Thr	Glu	Ile	Lys	Glu	Gln	Arg	His	Trp
		115					120					125			
Asp	Ile	Ser	Ser	Ser	Glu	Arg	Leu	Asp	Ile	Leu	Arg	Asp	Phe	Thr	Asn
	130					135					140				
Tyr	Gly	Leu	Glu	His	Trp	Gly	Ser	Asp	Thr	Gln	Gly	Val	Glu	Lys	Thr
145					150					155					160
Arg	Arg	Phe	Leu	Leu	Glu	Trp	Leu	Ser	Phe	Leu	Cys	Arg	Tyr	Val	Pro
				165					170					175	
Val	Gly	Leu	Leu	Glu	Arg	Leu	Pro	Gln	Arg	Ile	Asn	Glu	Arg	Pro	Pro
			180					185					190		
Tyr	Tyr	Leu	Gly	Arg	Asp	Tyr	Leu	Glu	Thr	Leu	Met	Ala	Ser	Gln	Lys
		195					200					205			
Ala	Ala	Asp	Trp	Ile	Arg	Ile	Ser	Glu	Met	Leu	Leu	Gly	Pro	Val	Pro
		210				215					220				
Pro	Ser	Phe	Ala	Phe	Leu	Pro	Lys	His	Lys	Ala	Asn	Ala	Tyr	Lys	
225					230					235					

<210> 2087

<211> 127

<212> PRT

<213> Homo sapiens

<400> 2087

Met	Ala	Gln	Tyr	Ile	Leu	Val	Ile	Ile	Leu	Ile	Ser	Phe	Cys	Ser	Asp
1				5					10					15	
Ser	Leu	Ser	Gly	Arg	Ala	Gln	Asn	Gly	Thr	Glu	Ile	Asn	Gln	Thr	Val
			20					25					30		
Ile	Leu	Ile	Cys	Ser	Leu	Arg	Phe	Phe	Lys	Ser	Glu	Ala	Ile	Asp	Ala
		35					40					45			
Cys	Leu	Met	His	Pro	His	Thr	Ala	Cys	Leu	Thr	Gly	Asp	Ala	Thr	Leu
	50					55					60				
Leu	Ser	Ser	Ser	Ala	Met	Lys	His	Lys	Arg	Gln	Arg	Lys	Ser	Arg	Tyr
65					70					75					80

Thr Ser His Arg Glu His Phe Arg Val Pro Gln Arg Trp Trp Gln Glu
85 90 95

Ala His Ser Arg Val Ser Ile Arg Val Cys Val Trp Val Ser Gly Ile
100 105 110

Ser Val Ala Pro Ile Phe Leu His Cys Ser Glu His Pro Val Leu
115 120 125

<210> 2088

<211> 138

<212> PRT

<213> Homo sapiens

<400> 2088

Met Lys Met Met Val Val Leu Leu Met Leu Ser Ser Leu Ser Arg Leu
1 5 10 15

Leu Gly Leu Met Arg Pro Ser Ser Leu Arg Gln Tyr Leu Asp Ser Val
20 25 30

Pro Leu Pro Pro Cys Gln Glu Gln Gln Pro Lys Ala Ser Ala Glu Leu
35 40 45

Asp His Lys Ala Cys Tyr Leu Cys His Ser Leu Leu Met Leu Ala Gly
50 55 60

Val Val Val Ser Cys Gln Asp Ile Thr Pro Asp Gln Trp Gly Glu Leu
65 70 75 80

Gln Leu Leu Cys Met Gln Leu Asp Arg His Ile Ser Thr Gln Ile Arg
85 90 95

Glu Ser Pro Gln Ala Met His Arg Thr Met Leu Lys Asp Leu Ala Thr
100 105 110

Gln Thr Tyr Ile Arg Trp Gln Glu Leu Leu Thr His Cys Gln Pro Gln
115 120 125

Ala Gln Tyr Phe Ser Pro Trp Lys Asp Ile
130 135

<210> 2089

<211> 132

<212> PRT

<213> Homo sapiens

<400> 2089

Met Glu Ile Tyr Leu Ser Leu Gly Val Leu Ala Leu Gly Thr Leu Ser
1 5 10 15

Leu Leu Ala Val Thr Ser Leu Pro Ser Ile Ala Asn Ser Leu Asn Trp
20 25 30

Arg Glu Phe Ser Phe Val Gln Ser Ser Leu Gly Phe Val Ala Leu Val
35 40 45

Leu Ser Thr Leu His Thr Leu Thr Tyr Gly Trp Thr Arg Ala Phe Glu
50 55 60

Glu Ser Arg Tyr Lys Phe Tyr Leu Pro Pro Thr Phe Thr Leu Thr Leu
65 70 75 80

Leu Val Pro Cys Val Val Ile Leu Ala Lys Ala Leu Phe Leu Leu Pro
85 90 95

Cys Ile Ser Arg Arg Leu Ala Arg Ile Arg Arg Gly Trp Glu Arg Glu
100 105 110

Ser Thr Ile Lys Phe Thr Leu Pro Thr Asp His Ala Leu Ala Glu Lys
115 120 125

Thr Ser His Val
130

<210> 2090

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2090

Met Phe Leu Leu Arg Pro Leu Pro Ile Leu Leu Val Thr Gly Gly Gly

1	5	10	15
Tyr Ala Gly Tyr Arg Gln Tyr Glu Lys Tyr Arg Glu Arg Glu Leu Glu	20	25	30
Lys Leu Gly Leu Glu Ile Pro Pro Lys Leu Ala Gly His Trp Glu Val	35	40	45
Ala Leu Tyr Lys Ser Val Pro Thr Arg Leu Leu Ser Arg Ala Trp Gly	50	55	60
Arg Leu Asn Gln Val Glu Leu Pro His Trp Leu Arg Arg Pro Val Tyr	65	70	75
Ser Leu Tyr Ile Trp Thr Phe Gly Val Asn Met Lys Glu Ala Ala Val	85	90	95
Glu Asp Leu His His Tyr Arg Asn Leu Ser Xaa Phe Xaa Arg Arg Lys	100	105	110
Leu Lys Ala Xaa Gly Pro Ala Cys Leu Trp Pro Ala Gln Arg Asp	115	120	125

<210> 2091

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2091

Met Phe Leu Leu Arg Pro Leu Pro Ile Leu Leu Val Thr Gly Gly Gly	1	5	10	15
Tyr Ala Gly Tyr Arg Gln Tyr Glu Lys Tyr Arg Glu Arg Glu Leu Glu	20	25	30	
Lys Leu Gly Leu Glu Ile Pro Pro Lys Leu Ala Gly His Trp Glu Val	35	40	45	
Ala Leu Tyr Lys Ser Val Pro Thr Arg Leu Leu Ser Arg Ala Trp Gly	50	55	60	
Arg Leu Asn Gln Val Glu Leu Pro His Trp Leu Arg Arg Pro Val Tyr	65	70	75	80
Ser Leu Tyr Ile Trp Thr Xaa Gly Gly				

<210> 2092

<211> 90

<212> PRT

<213> Homo sapiens

<400> 2092

Met Asp Trp Ala Val Leu Thr Val Val Leu Gly Pro Cys Val Pro Gly
1 5 10 15

Leu Ser Gly Ser Pro Pro Trp Pro Leu Pro Ser Ser His Leu Leu Glu
20 25 30

Ala Lys Leu Cys Glu Thr Trp His Ser Phe Gln Thr Ser Val Pro Pro
35 40 45

Arg Pro Cys Ala Gly Val Thr Pro Glu Leu Arg Met Ser Ala Arg Ser
50 55 60

Arg Gln Tyr Arg Glu Gly Thr Gln Arg Lys Ala Ser Gln Leu Ser Lys
65 70 75 80

Asp Arg Asp Arg Leu Trp Ser Gly Arg Ala
85 90

<210> 2093

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2093

Met Ala Ala Pro Ala Leu Gly Leu Val Cys Gly Arg Cys Pro Glu Leu
1 5 10 15

Gly Leu Val Leu Leu Leu Leu Leu Ser Leu Leu Cys Gly Ala Ala
20 25 30

Gly Ser Gln Glu Ala Gly Thr Gly Ala Gly Ala Gly Ser Leu Ala Gly
 35 40 45
 Ser Cys Gly Cys Gly Thr Pro Gln Arg Pro Gly Ala His Gly Ser Ser
 50 55 60
 Ala Ala Ala His Arg Tyr Ser Arg Glu Ala Asn Ala Pro Gly Pro Val
 65 70 75 80
 Pro Gly Glu Arg Gln Leu Ala His Ser Lys Val Leu His Arg Phe Leu
 85 90 95
 Arg Xaa Gly Xaa Gly Leu Leu Gly Ser Trp Thr Gly Leu Glu
 100 105 110

<210> 2094
 <211> 374
 <212> PRT
 <213> Homo sapiens

<400> 2094
 Met Ala Ala Pro Ala Leu Gly Leu Val Cys Gly Arg Cys Pro Glu Leu
 1 5 10 15
 Gly Leu Val Leu Leu Leu Leu Leu Ser Leu Leu Cys Gly Ala Ala
 20 25 30
 Gly Ser Gln Glu Ala Gly Thr Gly Ala Gly Ala Gly Ser Leu Ala Gly
 35 40 45
 Ser Cys Gly Cys Gly Thr Pro Gln Arg Pro Gly Ala His Gly Ser Ser
 50 55 60
 Ala Ala Ala His Arg Tyr Ser Arg Glu Ala Asn Ala Pro Gly Pro Val
 65 70 75 80
 Pro Gly Glu Arg Gln Leu Ala His Ser Lys Met Val Pro Ile Pro Ala
 85 90 95
 Gly Val Phe Thr Met Gly Thr Asp Asp Pro Gln Ile Lys Gln Asp Gly
 100 105 110
 Glu Ala Pro Ala Arg Arg Val Thr Ile Asp Ala Phe Tyr Met Asp Ala
 115 120 125
 Tyr Glu Val Ser Asn Thr Glu Phe Glu Lys Phe Val Asn Ser Thr Gly
 130 135 140
 Tyr Leu Thr Glu Ala Glu Lys Phe Gly Asp Ser Phe Val Phe Glu Gly
 145 150 155 160

Met Leu Ser Glu Gln Val Lys Thr Asn Ile Gln Gln Ala Val Ala Ala
 165 170 175
 Ala Pro Trp Trp Leu Pro Val Lys Gly Ala Asn Trp Arg His Pro Glu
 180 185 190
 Gly Pro Asp Ser Thr Ile Leu His Arg Pro Asp His Pro Val Leu His
 195 200 205
 Val Ser Trp Asn Asp Ala Val Ala Tyr Cys Thr Trp Ala Gly Lys Arg
 210 215 220
 Leu Pro Thr Glu Ala Glu Trp Glu Tyr Ser Cys Arg Gly Gly Leu His
 225 230 235 240
 Asn Arg Leu Phe Pro Trp Gly Asn Lys Leu Gln Pro Lys Gly Gln His
 245 250 255
 Tyr Ala Asn Ile Trp Gln Gly Glu Phe Pro Val Thr Asn Thr Gly Glu
 260 265 270
 Asp Gly Phe Gln Gly Thr Ala Pro Val Asp Ala Phe Pro Pro Asn Gly
 275 280 285
 Tyr Gly Leu Tyr Asn Ile Val Gly Asn Ala Trp Glu Trp Thr Ser Asp
 290 295 300
 Trp Trp Thr Val His His Ser Val Glu Glu Thr Leu Asn Pro Lys Gly
 305 310 315 320
 Pro Pro Ser Gly Lys Asp Arg Val Lys Lys Gly Gly Ser Tyr Met Cys
 325 330 335
 His Arg Ser Tyr Cys Tyr Arg Tyr Arg Cys Ala Ala Arg Ser Gln Asn
 340 345 350
 Thr Pro Asp Ser Ser Ala Ser Asn Leu Gly Phe Arg Cys Ala Ala Asp
 355 360 365
 Arg Leu Pro Thr Met Asp
 370

<210> 2095

<211> 53

<212> PRT

<213> Homo sapiens

<400> 2095

Met Ser Thr Phe Val Cys Val Cys Val Phe Cys Phe Val Leu Arg Ser

1	5	10	15
Glu Ala Arg Ala Lys Arg Lys Gln Asp Gln Arg Asn Thr Lys Arg Cys	20	25	30
Leu Leu Thr Lys Gly Gln Arg Asp Leu Ser Val Asn Gln Ser Lys Ile	35	40	45
Asn Arg Thr Ala Asn	50		

<210> 2096

<211> 215

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2096

Met Leu Pro Trp Thr Ala Xaa Gly Leu Ala Leu Ser Leu Arg Leu Ala	1	5	10	15
Leu Ala Arg Ser Gly Ala Glu Arg Gly Pro Pro Ala Ser Ala Pro Arg	20	25	30	
Gly Asp Leu Met Phe Leu Leu Asp Ser Ser Ala Ser Val Ser His Tyr	35	40	45	
Glu Phe Ser Arg Val Arg Glu Phe Val Gly Gln Leu Val Ala Pro Leu	50	55	60	
Pro Leu Gly Thr Gly Ala Leu Arg Ala Ser Leu Val His Val Gly Ser	65	70	75	80
Arg Pro Tyr Thr Glu Phe Pro Phe Gly Gln His Ser Ser Gly Glu Ala	85	90	95	
Ala Gln Asp Ala Val Arg Ala Ser Ala Gln Arg Met Gly Asp Thr His	100	105	110	
Thr Gly Leu Ala Leu Val Tyr Ala Lys Glu Gln Leu Phe Ala Glu Ala	115	120	125	
Ser Gly Ala Arg Pro Gly Val Pro Lys Val Leu Val Trp Val Thr Asp	130	135	140	
Gly Gly Ser Ser Asp Pro Val Gly Pro Pro Met Gln Glu Leu Lys Asp				

145		150		155		160
Leu Gly Val Thr Val Phe Ile Val Ser Thr Gly Arg Gly Asn Phe Leu						
	165			170		175
Glu Leu Ser Ala Ala Ala Ser Ala Pro Ala Glu Lys His Leu His Phe						
	180			185		190
Val Asp Val Asp Asp Leu His Ile Ile Val Gln Glu Leu Arg Gly Ser						
	195			200		205
Ile Leu Asp Ala Met Arg Pro						
	210			215		

<210> 2097
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 2097
Met Val Pro Gly Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro
1 5 10 15
Ala Cys Val Ala Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe
20 25 30
Gln Val Leu Ser Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro
35 40 45
Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His
50 55 60
Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly
65 70 75 80
Phe Phe Ile Gln Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser
85 90 95
Phe Leu Ser Lys Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val
100 105 110
Ile Ile Ser Asp Asn Ala Leu Thr Met Thr Ala Ser Thr Trp Arg
115 120 125

<210> 2098
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 2098

Met	Val	Pro	Gly	Ala	Ala	Gly	Trp	Cys	Cys	Leu	Val	Leu	Trp	Leu	Pro	
1				5				10						15		
Ala	Cys	Val	Ala	Ala	His	Gly	Phe	Arg	Ile	His	Asp	Tyr	Leu	Tyr	Phe	
			20					25					30			
Gln	Val	Leu	Ser	Pro	Gly	Asp	Ile	Arg	Tyr	Ile	Phe	Thr	Ala	Thr	Pro	
		35					40					45				
Ala	Lys	Asp	Phe	Gly	Gly	Ile	Phe	His	Thr	Arg	Tyr	Glu	Gln	Ile	His	
	50					55					60					
Leu	Val	Pro	Ala	Glu	Pro	Pro	Glu	Ala	Cys	Gly	Glu	Leu	Ser	Asn	Gly	
65					70					75					80	
Phe	Phe	Ile	Gln	Asp	Gln	Ile	Ala	Leu	Val	Glu	Arg	Gly	Gly	Cys	Ser	
				85					90					95		
Phe	Leu	Ser	Lys	Thr	Arg	Val	Val	Gln	Glu	His	Gly	Gly	Arg	Ala	Val	
			100					105					110			
Ile	Ile	Ser	Asp	Asn	Ala	Val	Asp	Asn	Asp	Ser	Phe	Tyr	Val	Glu	Met	
		115					120					125				
Ile	Gln	Asp	Ser	Thr	Gln	Arg	Thr	Ala	Asp	Ile	Pro	Ala	Leu	Phe	Leu	
	130					135					140					
Leu	Gly	Arg	Asp	Gly	Tyr	Met	Ile	Arg	Arg	Ser	Leu	Glu	Gln	His	Gly	
145					150					155					160	
Leu	Pro	Trp	Ala	Ile	Ile	Ser	Ile	Pro	Val	Asn	Val	Thr	Ser	Ile	Pro	
				165					170					175		
Thr	Phe	Glu	Leu	Leu	Gln	Pro	Pro	Trp	Thr	Phe	Trp					
			180					185								

<210> 2099

<211> 72

<212> PRT

<213> Homo sapiens

<400> 2099

Met	Leu	Val	Leu	Phe	Lys	Phe	Leu	Pro	Leu	Thr	Ser	Ser	Gly	Arg	Phe	
1				5					10					15		
Leu	Ser	Val	Thr	Leu	Tyr	His	Arg	Val	His	His	Gln	Thr	Phe	Phe	Ala	
			20					25					30			

Gly Ala Lys Ser Phe Ser Pro Ala Ser Thr Leu Asn Leu Tyr Ile Cys
 35 40 45

Ser Ser Gln Phe Gln Ser Leu Gln Lys Leu Tyr Cys Gly Val Ile Pro
 50 55 60

Val Leu Arg Tyr Ala Ser Ile Glu
 65 70

<210> 2100

<211> 112

<212> PRT

<213> Homo sapiens

<400> 2100

Met Ala Tyr Leu Thr Leu Phe Gln Met Gly Ser Trp Met Ser Phe Ser
 1 5 10 15

Leu Ser Leu Cys Ser Leu Leu Phe Ile Leu Thr Gly His Cys Leu Ser
 20 25 30

Glu Asn Phe Tyr Val Arg Gly Asp Gly Thr Arg Ala Tyr Phe Phe Thr
 35 40 45

Lys Gly Glu Val His Ser Met Phe Cys Lys Ala Ser Leu Asp Glu Lys
 50 55 60

Gln Asn Leu Val Asp Arg Arg Leu Gln Val Asn Arg Lys Lys Gln Val
 65 70 75 80

Lys Met His Arg Val Trp Ile Gln Gly Lys Phe Gln Lys Pro Leu His
 85 90 95

Gln Thr Gln Asn Ser Ser Asn Met Val Ser Thr Leu Leu Ser Gln Asp
 100 105 110

<210> 2101

<211> 80

<212> PRT

<213> Homo sapiens

<400> 2101

Met Gly Trp Ile Asp Leu Leu Leu Pro Glu Leu Gly Ala Leu Arg Val
 1 5 10 15

Phe	Leu	His	Leu	Phe	Leu	Val	Ala	Leu	Arg	Thr	Lys	Arg	Trp	Ile	Phe
			20					25					30		
Arg	Thr	Leu	Gly	Gln	Leu	Thr	Cys	Val	Asn	Ile	Leu	Gly	Asp	Ser	Arg
		35					40					45			
Lys	Lys	Arg	Glu	Cys	Arg	Leu	Asn	Lys	Arg	Gln	Leu	Gln	Phe	Gly	Glu
	50					55					60				
Lys	Thr	Leu	Gln	Val	Pro	Glu	Arg	Leu	Val	Val	Arg	His	Ser	Pro	Phe
65					70					75					80

<210> 2102
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 2102
 Met Gln Val Ser Ser Trp Val Val Phe Gln Leu Val Trp Asn Ser Leu
 1 5 10 15
 Val Leu Thr Gln Thr Gly Ile Lys His Tyr Phe Arg Phe Ser Leu Cys
 20 25 30
 Gln Phe Leu Ser Ser Tyr Asn His Val Asn Gln Asp Val Arg Thr Ser
 35 40 45
 Ile

<210> 2103
 <211> 179
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2103
 Met Ala Gln Val Leu Ala Ser Glu Leu Ser Leu Val Ala Phe Ile Leu
 1 5 10 15
 Leu Leu Val Met Ala Phe Ser Lys Lys Trp Leu Asp Leu Ser Arg Ser

			20					25					30				
Leu	Phe	Tyr	Gln	Arg	Trp	Pro	Val	Asp	Val	Ser	Asn	Arg	Ile	His	Thr		
		35					40					45					
Ser	Ala	His	Val	Met	Ser	Met	Gly	Leu	Leu	His	Phe	Cys	Lys	Ser	Arg		
	50					55					60						
Ser	Cys	Ser	Asp	Leu	Glu	Asn	Gly	Lys	Val	Thr	Phe	Ile	Phe	Ser	Thr		
	65				70					75					80		
Leu	Met	Leu	Phe	Pro	Ile	Asn	Ile	Trp	Ile	Phe	Glu	Leu	Glu	Arg	Asn		
				85					90					95			
Val	Ser	Ile	Pro	Ile	Gly	Trp	Ser	Tyr	Phe	Ile	Gly	Trp	Leu	Val	Leu		
			100					105					110				
Ile	Leu	Tyr	Phe	Thr	Cys	Ala	Ile	Leu	Cys	Tyr	Phe	Asn	His	Lys	Ser		
		115					120					125					
Phe	Trp	Ser	Leu	Ile	Leu	Ser	His	Pro	Ser	Gly	Ala	Val	Ser	Xaa	Ser		
	130					135					140						
Ser	Ser	Phe	Gly	Ser	Val	Glu	Glu	Ser	Pro	Arg	Ala	Gln	Thr	Ile	Thr		
	145				150					155					160		
Asp	Thr	Pro	Ile	Thr	Gln	Glu	Gly	Val	Leu	Asp	Pro	Glu	Gln	Lys	Asp		
				165					170					175			
Thr	His	Val															

<210> 2104

<211> 122

<212> PRT

<213> Homo sapiens

<400> 2104

Met	Pro	Pro	Leu	Ala	Pro	Gln	Leu	Cys	Arg	Ala	Val	Phe	Leu	Val	Pro		
1				5					10					15			
Ile	Leu	Leu	Leu	Leu	Gln	Val	Lys	Pro	Leu	Asn	Gly	Ser	Pro	Gly	Pro		
			20					25					30				
Lys	Asp	Gly	Ser	Gln	Thr	Glu	Lys	Thr	Pro	Ser	Ala	Asp	Gln	Asn	Gln		
		35					40					45					
Glu	Gln	Phe	Glu	Glu	His	Phe	Val	Ala	Ser	Ser	Val	Gly	Glu	Met	Trp		
	50					55					60						

Gln Val Val Asp Met Ala Gln Gln Glu Glu Asp Gln Ser Ser Lys Thr
65 70 75 80

Ala Ala Val His Lys His Ser Phe His Leu Ser Phe Cys Phe Ser Leu
85 90 95

Ala Ser Val Met Val Phe Ser Gly Gly Pro Leu Arg Arg Thr Phe Pro
100 105 110

Asn Ile Gln Leu Cys Phe Met Leu Thr His
115 120

<210> 2105

<211> 122

<212> PRT

<213> Homo sapiens

<400> 2105

Met Pro Pro Leu Ala Pro Gln Leu Cys Arg Ala Val Phe Leu Val Pro
1 5 10 15

Ile Leu Leu Leu Leu Gln Val Lys Pro Leu Asn Gly Ser Pro Gly Pro
20 25 30

Lys Asp Gly Ser Gln Thr Glu Lys Thr Pro Ser Ala Asp Gln Asn Gln
35 40 45

Glu Gln Phe Glu Glu His Phe Val Ala Ser Ser Val Gly Glu Met Trp
50 55 60

Gln Val Val Asp Met Ala Gln Gln Glu Glu Asp Gln Ser Ser Lys Thr
65 70 75 80

Ala Ala Val His Lys His Ser Phe His Leu Ser Phe Cys Phe Ser Leu
85 90 95

Ala Ser Val Met Val Phe Ser Gly Gly Pro Leu Arg Arg Thr Phe Pro
100 105 110

Asn Ile Gln Leu Cys Phe Met Leu Thr His
115 120

<210> 2106

<211> 459

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (321)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (345)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 2106
 Met Gly Gly Pro Arg Ala Trp Ala Leu Leu Cys Leu Gly Leu Leu Leu
 1 5 10 15

 Pro Gly Gly Gly Ala Ala Trp Ser Ile Gly Ala Ala Pro Phe Ser Gly
 20 25 30

 Arg Arg Asn Trp Cys Ser Tyr Val Val Thr Arg Thr Ile Ser Cys His
 35 40 45

 Val Gln Asn Gly Thr Tyr Leu Gln Arg Val Leu Gln Asn Cys Pro Trp
 50 55 60

 Pro Met Ser Cys Pro Gly Ser Ser Tyr Arg Thr Val Val Arg Pro Thr
 65 70 75 80

 Tyr Lys Val Met Tyr Lys Ile Val Thr Ala Arg Glu Trp Arg Cys Cys
 85 90 95

 Pro Gly His Ser Gly Val Ser Cys Glu Glu Val Ala Ala Ser Ser Ala
 100 105 110

 Ser Leu Glu Pro Met Trp Ser Gly Ser Thr Met Arg Arg Met Ala Leu
 115 120 125

 Arg Pro Thr Ala Phe Ser Gly Cys Leu Asn Cys Ser Lys Val Ser Glu
 130 135 140

 Leu Thr Glu Arg Leu Lys Val Leu Glu Ala Lys Met Thr Met Leu Thr
 145 150 155 160

 Val Ile Glu Gln Pro Val Pro Pro Thr Pro Ala Thr Pro Glu Asp Pro
 165 170 175

 Ala Pro Leu Trp Gly Pro Pro Pro Ala Gln Gly Ser Pro Gly Asp Gly
 180 185 190

 Gly Leu Gln Asp Gln Val Gly Ala Trp Gly Leu Pro Gly Pro Thr Gly
 195 200 205

 Pro Lys Gly Asp Ala Gly Ser Arg Gly Pro Met Gly Met Arg Gly Pro
 210 215 220

Pro Gly Pro Gln Gly Pro Pro Gly Ser Pro Gly Arg Ala Gly Ala Val
 225 230 235 240
 Gly Thr Pro Gly Glu Arg Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly
 245 250 255
 Pro Pro Gly Pro Pro Ala Pro Val Gly Pro Pro His Ala Arg Ile Ser
 260 265 270
 Gln His Gly Asp Pro Leu Leu Ser Asn Thr Phe Thr Glu Thr Asn Asn
 275 280 285
 His Trp Pro Gln Gly Pro Thr Gly Pro Pro Gly Pro Pro Gly Pro Met
 290 295 300
 Gly Pro Pro Gly Pro Pro Gly Pro Thr Gly Val Pro Gly Ser Pro Gly
 305 310 315 320
 Xaa Ile Gly Pro Pro Gly Pro Thr Gly Pro Lys Gly Ile Ser Gly His
 325 330 335
 Pro Gly Glu Lys Gly Glu Lys Lys Xaa Leu Arg Gly Glu Pro Gly Pro
 340 345 350
 Gln Gly Ser Ala Gly Gln Arg Gly Glu Pro Gly Pro Lys Gly Asp Pro
 355 360 365
 Gly Glu Lys Ser His Trp Asn Gln Ser Trp Gly Leu Gly Gly Pro Cys
 370 375 380
 Arg His Arg His Pro Gln Pro Pro Ser Gly Gln Glu Gly Gly His Ala
 385 390 395 400
 Thr Asn Tyr Arg Asp Arg Gly Pro Gln Glu Pro Gly Arg Glu Arg Leu
 405 410 415
 Arg Val Val Ala Ala Pro Glu Ala Asp Gln Ala Arg Leu Pro Leu Leu
 420 425 430
 Pro Gly Leu Gly Gln Leu Pro Pro Gly Thr Ala Arg Pro Tyr Leu Leu
 435 440 445
 Met Ser Ser Gly Ser Leu Leu Pro Ser Arg Pro
 450 455

<210> 2107
 <211> 615
 <212> PRT
 <213> Homo sapiens

<400> 2107

Met	Ile	Leu	Phe	Leu	Leu	Ala	Phe	Leu	Leu	Phe	Cys	Gly	Leu	Leu	Phe
1				5					10					15	
Tyr	Ile	Asn	Leu	Ala	Asp	His	Trp	Lys	Ala	Leu	Ala	Phe	Arg	Leu	Glu
			20					25					30		
Glu	Glu	Gln	Lys	Met	Arg	Pro	Glu	Ile	Ala	Gly	Leu	Lys	Pro	Ala	Asn
		35					40					45			
Pro	Pro	Val	Leu	Pro	Ala	Pro	Gln	Lys	Ala	Asp	Thr	Asp	Pro	Glu	Asn
	50					55					60				
Leu	Pro	Glu	Ile	Ser	Ser	Gln	Lys	Thr	Gln	Arg	His	Ile	Gln	Arg	Gly
65					70					75					80
Pro	Pro	His	Leu	Gln	Ile	Arg	Pro	Pro	Ser	Gln	Asp	Leu	Lys	Asp	Gly
				85					90					95	
Thr	Gln	Glu	Glu	Ala	Thr	Lys	Arg	Gln	Glu	Ala	Pro	Val	Asp	Pro	Arg
			100					105					110		
Pro	Glu	Gly	Asp	Pro	Gln	Arg	Thr	Val	Ile	Ser	Trp	Arg	Gly	Ala	Val
		115					120					125			
Ile	Glu	Pro	Glu	Gln	Gly	Thr	Glu	Leu	Pro	Ser	Arg	Arg	Ala	Glu	Val
	130					135					140				
Pro	Thr	Lys	Pro	Pro	Leu	Pro	Pro	Ala	Arg	Thr	Gln	Gly	Thr	Pro	Val
145					150					155					160
His	Leu	Asn	Tyr	Arg	Gln	Lys	Gly	Val	Ile	Asp	Val	Phe	Leu	His	Ala
				165					170					175	
Trp	Lys	Gly	Tyr	Arg	Lys	Phe	Ala	Trp	Gly	His	Asp	Glu	Leu	Lys	Pro
			180					185					190		
Val	Ser	Arg	Ser	Phe	Ser	Glu	Trp	Phe	Gly	Leu	Gly	Leu	Thr	Leu	Ile
		195					200					205			
Asp	Ala	Leu	Asp	Thr	Met	Trp	Ile	Leu	Gly	Leu	Arg	Lys	Glu	Phe	Glu
	210					215					220				
Glu	Ala	Arg	Lys	Trp	Val	Ser	Lys	Lys	Leu	His	Phe	Glu	Lys	Asp	Val
225					230					235					240
Asp	Val	Asn	Leu	Phe	Glu	Ser	Thr	Ile	Arg	Ile	Leu	Gly	Gly	Leu	Leu
				245					250					255	
Ser	Ala	Tyr	His	Leu	Ser	Gly	Asp	Ser	Leu	Phe	Leu	Arg	Lys	Ala	Glu
			260					265					270		

Asp	Phe	Gly	Asn	Arg	Leu	Met	Pro	Ala	Phe	Arg	Thr	Pro	Ser	Lys	Ile	275	280	285
Pro	Tyr	Ser	Asp	Val	Asn	Ile	Gly	Thr	Gly	Val	Ala	His	Pro	Pro	Arg	290	295	300
Trp	Thr	Ser	Asp	Ser	Thr	Val	Ala	Glu	Val	Thr	Ser	Ile	Gln	Leu	Glu	305	310	315
Phe	Arg	Glu	Leu	Ser	Arg	Leu	Thr	Gly	Asp	Lys	Lys	Phe	Gln	Glu	Ala	325	330	335
Val	Glu	Lys	Val	Thr	Gln	His	Ile	His	Gly	Leu	Ser	Gly	Lys	Lys	Asp	340	345	350
Gly	Leu	Val	Pro	Met	Phe	Ile	Asn	Thr	His	Ser	Gly	Leu	Phe	Thr	His	355	360	365
Leu	Gly	Val	Phe	Thr	Leu	Gly	Ala	Arg	Ala	Asp	Ser	Tyr	Tyr	Glu	Tyr	370	375	380
Leu	Leu	Lys	Gln	Trp	Ile	Gln	Gly	Gly	Lys	Gln	Glu	Thr	Gln	Leu	Leu	385	390	395
Glu	Asp	Tyr	Val	Glu	Ala	Ile	Glu	Gly	Val	Arg	Thr	His	Leu	Leu	Arg	405	410	415
His	Ser	Glu	Pro	Ser	Lys	Leu	Thr	Phe	Val	Gly	Glu	Leu	Ala	His	Gly	420	425	430
Arg	Phe	Ser	Ala	Lys	Met	Asp	His	Leu	Val	Cys	Phe	Leu	Pro	Gly	Thr	435	440	445
Leu	Ala	Leu	Gly	Val	Tyr	His	Gly	Leu	Pro	Ala	Ser	His	Met	Glu	Leu	450	455	460
Ala	Gln	Glu	Leu	Met	Glu	Thr	Cys	Tyr	Gln	Met	Asn	Arg	Gln	Met	Glu	465	470	475
Thr	Gly	Leu	Ser	Pro	Glu	Ile	Val	His	Phe	Asn	Leu	Tyr	Pro	Gln	Pro	485	490	495
Gly	Arg	Arg	Asp	Val	Glu	Val	Lys	Pro	Ala	Asp	Arg	His	Asn	Leu	Leu	500	505	510
Arg	Pro	Glu	Thr	Val	Glu	Ser	Leu	Phe	Tyr	Leu	Tyr	Arg	Val	Thr	Gly	515	520	525
Asp	Arg	Lys	Tyr	Gln	Asp	Trp	Gly	Trp	Glu	Ile	Leu	Gln	Ser	Phe	Ser	530	535	540
Arg	Phe	Thr	Arg	Val	Pro	Ser	Gly	Gly	Tyr	Ser	Ser	Ile	Asn	Asn	Val			

545		550		555		560									
Gln	Asp	Pro	Gln	Lys	Pro	Glu	Pro	Arg	Asp	Lys	Met	Glu	Ser	Phe	Phe
				565					570					575	
Leu	Gly	Glu	Thr	Leu	Lys	Tyr	Leu	Phe	Leu	Leu	Phe	Ser	Asp	Asp	Pro
			580					585					590		
Asn	Leu	Leu	Ser	Leu	Asp	Ala	Tyr	Val	Phe	Asn	Thr	Glu	Ala	His	Pro
		595					600					605			
Leu	Pro	Ile	Trp	Thr	Pro	Ala									
	610					615									

<210> 2108
 <211> 404
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (108)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (124)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (126)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (175)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (192)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (210)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (236)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (239)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (309)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (335)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (389)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2108
 Met His Pro Ile Pro Ser Ser Phe Met Ile Lys Ala Val Ser Ser Phe
 1 5 10 15

Leu	Thr	Ala	Glu	Glu	Ala	Ser	Val	Gly	Asn	Pro	Glu	Gly	Ala	Phe	Met	20	25	30
Lys	Val	Leu	Gln	Ala	Arg	Lys	Asn	Xaa	Thr	Ser	Thr	Glu	Leu	Ile	Val	35	40	45
Glu	Pro	Glu	Glu	Pro	Ser	Asp	Ser	Ser	Gly	Ile	Asn	Leu	Ser	Gly	Phe	50	55	60
Gly	Ser	Glu	Gln	Leu	Asp	Thr	Asn	Asp	Glu	Ser	Asp	Xaa	Ile	Ser	Thr	65	70	75
Leu	Ser	Tyr	Ile	Leu	Pro	Tyr	Phe	Ser	Ala	Val	Asn	Leu	Asp	Val	Xaa	85	90	95
Ser	Xaa	Leu	Leu	Pro	Phe	Ile	Lys	Leu	Pro	Thr	Xaa	Gly	Asn	Ser	Leu	100	105	110
Ala	Lys	Ile	Gln	Thr	Val	Gly	Gln	Asn	Xaa	Gln	Xaa	Val	Xaa	Arg	Val	115	120	125
Leu	Met	Gly	Pro	Arg	Ser	Ile	Gln	Lys	Arg	His	Phe	Lys	Glu	Val	Gly	130	135	140
Arg	Gln	Ser	Ile	Arg	Arg	Glu	Gln	Gly	Ala	Gln	Ala	Ser	Val	Glu	Asn	145	150	155
Ala	Ala	Glu	Glu	Lys	Arg	Leu	Gly	Ser	Pro	Ala	Pro	Arg	Glu	Xaa	Glu	165	170	175
Gln	Pro	His	Thr	Gln	Gln	Gly	Pro	Glu	Lys	Leu	Ala	Gly	Asn	Ala	Xaa	180	185	190
Tyr	Thr	Lys	Pro	Ser	Phe	Thr	Gln	Glu	His	Lys	Ala	Ala	Val	Ser	Val	195	200	205
Leu	Xaa	Pro	Phe	Ser	Lys	Gly	Ala	Pro	Ser	Thr	Ser	Ser	Pro	Ala	Lys	210	215	220
Ala	Leu	Pro	Gln	Val	Arg	Asp	Arg	Trp	Lys	Asp	Xaa	Thr	His	Xaa	Ile	225	230	235
Ser	Ile	Leu	Glu	Ser	Ala	Lys	Ala	Arg	Val	Thr	Asn	Met	Lys	Ala	Ser	245	250	255
Lys	Pro	Ile	Ser	His	Ser	Arg	Lys	Lys	Tyr	Arg	Phe	His	Lys	Thr	Arg	260	265	270
Ser	Arg	Met	Thr	His	Arg	Thr	Pro	Lys	Val	Lys	Lys	Ser	Pro	Lys	Phe	275	280	285

Arg Lys Lys Ser Tyr Leu Ser Arg Leu Met Leu Ala Asn Arg Pro Pro
 290 295 300

Phe Ser Ala Ala Xaa Ser Leu Ile Asn Ser Pro Ser Gln Gly Ala Phe
 305 310 315 320

Ser Ser Leu Gly Asp Leu Ser Pro Gln Glu Asn Pro Phe Leu Xaa Val
 325 330 335

Ser Ala Pro Ser Glu His Phe Ile Glu Thr Thr Asn Ile Lys Asp Thr
 340 345 350

Thr Ala Arg Asn Ala Leu Glu Glu Asn Val Phe Met Glu Asn Thr Asn
 355 360 365

Met Pro Glu Val Thr Ile Ser Glu Asn Thr Asn Tyr Asn His Pro Pro
 370 375 380

Glu Ala Asp Ser Xaa Gly Thr Ala Phe Asn Leu Gly Pro Thr Val Lys
 385 390 395 400

Gln Thr Glu Thr

<210> 2109

<211> 45

<212> PRT

<213> Homo sapiens

<400> 2109

Met Val Thr Ser Gly Met Leu Val Phe Ser Ile Lys Thr Phe Ser Ser
 1 5 10 15

Lys Ala Phe Leu Ala Val Val Ser Phe Ile Leu Val Val Ser Ile Lys
 20 25 30

Cys Ser Glu Gly Ala Asp Thr Ser Arg Lys Gly Phe Ser
 35 40 45

<210> 2110

<211> 45

<212> PRT

<213> Homo sapiens

<400> 2110

Met Val Thr Ser Gly Met Leu Val Phe Ser Ile Lys Thr Phe Ser Ser
 1 5 10 15

Lys Ala Phe Leu Ala Val Val Ser Phe Ile Leu Val Val Ser Ile Lys
20 25 30

Cys Ser Glu Gly Ala Asp Thr Ser Arg Lys Gly Phe Ser
35 40 45

<210> 2111

<211> 257

<212> PRT

<213> Homo sapiens

<400> 2111

Met Glu Met Ile Ile Gln Phe Gly Phe Val Thr Leu Phe Val Ala Ser
1 5 10 15

Phe Pro Leu Ala Pro Leu Phe Ala Leu Leu Asn Asn Ile Ile Glu Ile
20 25 30

Arg Leu Asp Ala Lys Lys Phe Val Thr Glu Leu Arg Arg Pro Val Ala
35 40 45

Val Arg Ala Lys Asp Ile Gly Ile Trp Tyr Asn Ile Leu Arg Gly Ile
50 55 60

Gly Lys Leu Ala Val Ile Ile Asn Ala Phe Val Ile Ser Phe Thr Ser
65 70 75 80

Asp Phe Ile Pro Arg Leu Val Tyr Leu Tyr Met Tyr Ser Lys Asn Gly
85 90 95

Thr Met His Gly Phe Val Asn His Thr Leu Ser Ser Phe Asn Val Ser
100 105 110

Asp Phe Gln Asn Gly Thr Ala Pro Asn Asp Pro Leu Asp Leu Gly Tyr
115 120 125

Glu Val Gln Ile Cys Arg Tyr Lys Asp Tyr Arg Glu Pro Pro Trp Ser
130 135 140

Glu Asn Lys Tyr Asp Ile Ser Lys Asp Phe Trp Ala Val Leu Ala Ala
145 150 155 160

Arg Leu Ala Phe Val Ile Val Phe Gln Asn Leu Val Met Phe Met Ser
165 170 175

Asp Phe Val Asp Trp Val Ile Pro Asp Ile Pro Lys Asp Ile Ser Gln
180 185 190

Gln Ile His Lys Glu Lys Val Leu Met Val Glu Leu Phe Met Arg Glu
195 200 205

Glu Gln Asp Lys Gln Gln Leu Leu Glu Thr Trp Met Glu Lys Glu Arg
 210 215 220

Gln Lys Asp Glu Pro Pro Cys Asn His His Asn Thr Lys Ala Cys Pro
 225 230 235 240

Asp Ser Leu Gly Ser Pro Ala Pro Ser His Ala Tyr His Gly Gly Val
 245 250 255

Leu

<210> 2112
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 2112
 Met Thr His Gly Cys Leu Ser Leu Ala Ser Met Ala Ala Gly Leu Gly
 1 5 10 15

Ser Val Ser Leu Phe Leu Phe Val Gln Gln Trp Thr Pro Thr Thr Ala
 20 25 30

Ser Thr Gly Glu Thr Pro Ser Ser Trp Gln Lys Thr Thr Ser Cys Val
 35 40 45

Arg Arg
 50

<210> 2113
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 2113
 Met Thr His Gly Cys Leu Ser Leu Ala Ser Met Ala Ala Gly Leu Gly
 1 5 10 15

Ser Val Ser Leu Phe Leu Phe Val Gln Gln Trp Thr Pro Thr Thr Ala
 20 25 30

Ser Thr Gly Glu Thr Pro Ser Ser Trp Gln Lys Thr Thr Ser Cys Val
 35 40 45

Arg Arg
 50

<210> 2114
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 2114
 Met Val Leu Leu Leu Leu Leu Leu Leu Gln Lys Ile Pro Gly Thr Pro
 1 5 10 15
 Leu Phe Gln Pro Gly Phe Leu Gly Trp Ala Gln Glu Ser Cys Gln Ile
 20 25 30
 Gln Ser Tyr Val Gly Ser Lys Leu Pro Leu Cys Cys Phe Cys Gln Ala
 35 40 45
 Arg Cys Gly His Ser Lys Phe Ile Cys Val Asn Lys Arg Lys Glu Glu
 50 55 60
 Pro Ser Gly Cys Asn Arg Thr Asp Ser Ser
 65 70

<210> 2115
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 2115
 Met Trp Pro Trp Trp Leu Met Val Glu Arg Thr Val Val Leu Leu Leu
 1 5 10 15
 Ile Thr Tyr Leu Val Pro Val Gly Gly Ser Ala Val Gly Pro Pro Gly
 20 25 30
 Pro Gly Cys Asn Val Ser Thr Ser Pro Pro Pro Pro Ala Thr Arg Cys
 35 40 45
 Pro Asp Glu Ser Glu Leu Tyr Arg Asp Pro Gly Glu Ala Pro Leu Glu
 50 55 60
 Ala Asp Gln Ala Glu Arg Gly Ala Ala His Glu Gly Gly His Pro Gly
 65 70 75 80
 Arg Asp Pro Trp Gly Ala Arg Arg Gly Pro Pro Arg Cys Gly
 85 90

<210> 2116
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 2116
 Met Ala Ile Cys Ser Cys Gln Cys Pro Ala Ala Met Ala Phe Cys Phe
 1 5 10 15
 Leu Glu Thr Leu Trp Trp Glu Phe Thr Ala Ser Tyr Asp Thr Thr Cys
 20 25 30
 Ile Gly Leu Ala Ser Arg Pro Tyr Ala Phe Leu Glu Phe Asp Ser Ile
 35 40 45
 Ile Gln Lys Val Lys Trp His Phe Asn Tyr Val Ser Ser Ser Gln Met
 50 55 60
 Glu Cys Ser Leu Glu Lys Ile Gln Glu Glu Leu Lys Leu Gln Pro Pro
 65 70 75 80
 Ala Val Leu Thr Leu Glu Asp Thr Asp Val Ala Asn Gly Val Met Asn
 85 90 95
 Gly His Thr Pro Met His Leu Glu Pro Ala Pro Asn Phe Arg Met Glu
 100 105 110
 Pro Val Thr Ala Leu Gly Ile Leu Ser Leu Ile Leu Asn Ile Met Cys
 115 120 125
 Ala Ala Leu Asn Leu Ile Arg Gly Val His Leu Ala Glu His Ser Leu
 130 135 140
 Gln Val Ala His Glu Glu Ile Gly Asn Ile Leu Ala Phe Leu Val Pro
 145 150 155 160
 Phe Val Ala Cys Ile Phe Gln Asp Pro Arg Ser Trp Phe Cys Trp Leu
 165 170 175
 Asp Gln Thr Ser
 180

<210> 2117
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 2117
 Met Trp Pro Arg Met Leu Ala Phe Ser Thr Trp Leu Glu Trp Leu Leu
 1 5 10 15

Phe Ser Pro Leu Pro Gln Ser Val Gly Cys Pro Gly Pro Leu Glu Phe
 20 25 30
 Tyr Cys Val Gln Asp Arg Arg Pro Pro Ser Leu Pro Asp Gly Ala Asp
 35 40 45
 His Phe Ser Ser Pro Thr Arg Ile Thr Ser Ser Ser Ile Ser Pro Ala
 50 55 60
 Leu Ser Leu Gln Ala Pro Glu Ala Gly Gly Phe Leu Ser Ile Pro Gly
 65 70 75 80

<210> 2118
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 2118
 Met His Asp Val Leu Phe Phe Leu Ser Phe Ser Leu Val Ala Cys Val
 1 5 10 15
 Lys Ala Gly Met Leu
 20

<210> 2119
 <211> 291
 <212> PRT
 <213> Homo sapiens

<400> 2119
 Met Asp Phe Ile Gln His Leu Gly Val Cys Cys Leu Val Ala Leu Ile
 1 5 10 15
 Ser Val Gly Leu Leu Ser Val Ala Ala Cys Trp Phe Leu Pro Ser Ile
 20 25 30
 Ile Ala Ala Ala Ala Ser Trp Ile Ile Thr Cys Val Leu Leu Cys Cys
 35 40 45
 Ser Lys His Ala Arg Cys Phe Ile Leu Leu Val Phe Leu Ser Cys Gly
 50 55 60
 Leu Arg Glu Gly Arg Asn Ala Leu Ile Ala Ala Gly Thr Gly Ile Val
 65 70 75 80

Ile Leu Gly His Val Glu Asn Ile Phe His Asn Phe Lys Gly Leu Leu
 85 90 95
 Asp Gly Met Thr Cys Asn Leu Arg Ala Lys Ser Phe Ser Ile His Phe
 100 105 110
 Pro Leu Leu Lys Lys Tyr Ile Glu Ala Ile Gln Trp Ile Tyr Gly Leu
 115 120 125
 Ala Thr Pro Leu Ser Val Phe Asp Asp Leu Val Ser Trp Asn Gln Thr
 130 135 140
 Leu Ala Val Ser Leu Phe Ser Pro Ser His Val Leu Glu Ala Gln Leu
 145 150 155 160
 Asn Asp Ser Lys Gly Glu Val Leu Ser Val Leu Tyr Gln Met Ala Thr
 165 170 175
 Thr Thr Glu Val Leu Ser Ser Leu Gly Gln Lys Leu Leu Ala Phe Ala
 180 185 190
 Gly Leu Ser Leu Val Leu Leu Gly Thr Gly Leu Phe Met Lys Arg Phe
 195 200 205
 Leu Gly Pro Cys Gly Trp Lys Tyr Glu Asn Ile Tyr Ile Thr Arg Gln
 210 215 220
 Phe Val Gln Phe Asp Glu Arg Glu Arg His Gln Gln Arg Pro Cys Met
 225 230 235 240
 Leu Pro Leu Asn Lys Glu Glu Arg Arg Lys Asn Lys Glu Leu Lys Ile
 245 250 255
 Leu Ser Met Ile Leu Pro Leu Ile Tyr Leu Cys Leu Asn Pro Thr Val
 260 265 270
 Ser Gln Asn Gln Asn Ser Phe Tyr Leu Arg Pro Gly Phe Leu Ser Val
 275 280 285
 Leu Phe Phe
 290

<210> 2120

<211> 257

<212> PRT

<213> Homo sapiens

<400> 2120

Met Asp Phe Ile Gln His Leu Gly Val Cys Cys Leu Val Ala Leu Ile

1		5		10		15											
Ser	Val	Gly	Leu	Leu	Ser	Val	Ala	Ala	Cys	Trp	Phe	Leu	Pro	Ser	Ile		
			20					25					30				
Ile	Ala	Ala	Ala	Ala	Ser	Trp	Ile	Ile	Thr	Cys	Val	Leu	Leu	Cys	Cys		
		35					40					45					
Ser	Lys	His	Ala	Arg	Cys	Phe	Ile	Leu	Leu	Val	Phe	Leu	Ser	Cys	Gly		
	50					55					60						
Leu	Arg	Glu	Gly	Arg	Asn	Ala	Leu	Ile	Ala	Ala	Gly	Thr	Gly	Ile	Val		
65					70					75					80		
Ile	Leu	Gly	His	Val	Glu	Asn	Ile	Phe	His	Asn	Phe	Lys	Gly	Leu	Leu		
				85					90					95			
Asp	Gly	Met	Thr	Cys	Asn	Leu	Arg	Ala	Lys	Ser	Phe	Ser	Ile	His	Phe		
			100					105					110				
Pro	Leu	Leu	Lys	Lys	Tyr	Ile	Glu	Ala	Ile	Gln	Trp	Ile	Tyr	Gly	Leu		
		115					120					125					
Ala	Thr	Pro	Leu	Ser	Val	Phe	Asp	Asp	Leu	Val	Ser	Trp	Asn	Gln	Thr		
	130					135					140						
Leu	Ala	Val	Ser	Leu	Phe	Ser	Pro	Ser	His	Val	Leu	Glu	Ala	Gln	Leu		
145					150					155					160		
Asn	Asp	Ser	Lys	Gly	Glu	Val	Leu	Ser	Val	Leu	Tyr	Gln	Met	Ala	Thr		
			165						170					175			
Thr	Thr	Glu	Val	Leu	Ser	Ser	Leu	Gly	Gln	Lys	Leu	Leu	Ala	Phe	Ala		
		180						185					190				
Gly	Leu	Ser	Leu	Val	Leu	Leu	Gly	Thr	Gly	Leu	Phe	Met	Lys	Arg	Phe		
		195					200					205					
Leu	Gly	Pro	Cys	Gly	Trp	Lys	Tyr	Glu	Asn	Ile	Tyr	Ile	Thr	Arg	Gln		
	210					215					220						
Phe	Val	Gln	Phe	Asp	Glu	Arg	Glu	Arg	His	Gln	Gln	Arg	Pro	Cys	Val		
225					230					235					240		
Leu	Pro	Leu	Asn	Lys	Glu	Glu	Arg	Arg	Lys	Phe	Ile	Ser	Gly	Phe	Gln		
			245						250					255			
Ser																	

<210> 2121
 <211> 257
 <212> PRT
 <213> Homo sapiens

<400> 2121

Met	Asp	Phe	Ile	Gln	His	Leu	Gly	Val	Cys	Cys	Leu	Val	Ala	Leu	Ile
1				5					10					15	
Ser	Val	Gly	Leu	Leu	Ser	Val	Ala	Ala	Cys	Trp	Phe	Leu	Pro	Ser	Ile
			20					25					30		
Ile	Ala	Ala	Ala	Ala	Ser	Trp	Ile	Ile	Thr	Cys	Val	Leu	Leu	Cys	Cys
			35				40					45			
Ser	Lys	His	Ala	Arg	Cys	Phe	Ile	Leu	Leu	Val	Phe	Leu	Ser	Cys	Gly
	50					55					60				
Leu	Arg	Glu	Gly	Arg	Asn	Ala	Leu	Ile	Ala	Ala	Gly	Thr	Gly	Ile	Val
65					70					75					80
Ile	Leu	Gly	His	Val	Glu	Asn	Ile	Phe	His	Asn	Phe	Lys	Gly	Leu	Leu
				85					90					95	
Asp	Gly	Met	Thr	Cys	Asn	Leu	Arg	Ala	Lys	Ser	Phe	Ser	Ile	His	Phe
			100					105					110		
Pro	Leu	Leu	Lys	Lys	Tyr	Ile	Glu	Ala	Ile	Gln	Trp	Ile	Tyr	Gly	Leu
		115					120					125			
Ala	Thr	Pro	Leu	Ser	Val	Phe	Asp	Asp	Leu	Val	Ser	Trp	Asn	Gln	Thr
		130				135						140			
Leu	Ala	Val	Ser	Leu	Phe	Ser	Pro	Ser	His	Val	Leu	Glu	Ala	Gln	Leu
145					150					155					160
Asn	Asp	Ser	Lys	Gly	Glu	Val	Leu	Ser	Val	Leu	Tyr	Gln	Met	Ala	Thr
				165					170					175	
Thr	Thr	Glu	Val	Leu	Ser	Ser	Leu	Gly	Gln	Lys	Leu	Leu	Ala	Phe	Ala
			180					185					190		
Gly	Leu	Ser	Leu	Val	Leu	Leu	Gly	Thr	Gly	Leu	Phe	Met	Lys	Arg	Phe
		195					200					205			
Leu	Gly	Pro	Cys	Gly	Trp	Lys	Tyr	Glu	Asn	Ile	Tyr	Ile	Thr	Arg	Gln
		210				215					220				
Phe	Val	Gln	Phe	Asp	Glu	Arg	Glu	Arg	His	Gln	Gln	Arg	Pro	Cys	Val
225					230					235					240
Leu	Pro	Leu	Asn	Lys	Glu	Glu	Arg	Arg	Lys	Phe	Ile	Ser	Gly	Phe	Gln

245

250

255

Ser

<210> 2122

<211> 352

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (284)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2122

Met	Asp	Phe	Ile	Gln	His	Leu	Gly	Val	Cys	Cys	Leu	Val	Ala	Leu	Ile
1				5					10					15	

Ser	Val	Gly	Leu	Leu	Ser	Val	Ala	Ala	Cys	Trp	Phe	Leu	Pro	Ser	Ile
		20						25					30		

Ile	Ala	Ala	Ala	Ala	Ser	Trp	Ile	Ile	Thr	Cys	Val	Leu	Leu	Cys	Cys
	35						40					45			

Ser	Lys	His	Ala	Arg	Cys	Phe	Ile	Leu	Leu	Val	Phe	Leu	Ser	Cys	Gly
	50					55					60				

Leu	Arg	Glu	Gly	Arg	Asn	Ala	Leu	Ile	Ala	Ala	Gly	Thr	Gly	Ile	Val
65					70					75					80

Ile	Leu	Gly	His	Val	Glu	Asn	Ile	Phe	His	Asn	Phe	Lys	Gly	Leu	Leu
			85						90					95	

Asp	Gly	Met	Thr	Cys	Asn	Leu	Arg	Ala	Lys	Ser	Phe	Ser	Ile	His	Phe
			100					105					110		

Pro	Leu	Leu	Lys	Lys	Tyr	Ile	Glu	Ala	Ile	Gln	Trp	Ile	Tyr	Gly	Leu
		115					120					125			

Ala	Thr	Pro	Leu	Ser	Val	Phe	Asp	Asp	Leu	Val	Ser	Trp	Asn	Gln	Thr
	130					135						140			

Leu	Ala	Val	Ser	Leu	Phe	Ser	Pro	Ser	His	Val	Leu	Glu	Ala	Gln	Leu
145					150					155					160

Asn	Asp	Ser	Lys	Gly	Glu	Val	Leu	Ser	Val	Leu	Tyr	Gln	Met	Ala	Thr
				165					170					175	

Thr	Thr	Glu	Val	Leu	Ser	Ser	Leu	Gly	Gln	Lys	Leu	Leu	Ala	Phe	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

				180						185						190			
Gly	Leu	Ser	Leu	Val	Leu	Leu	Gly	Thr	Gly	Leu	Phe	Met	Lys	Arg	Phe				
		195					200					205							
Leu	Gly	Pro	Cys	Gly	Trp	Lys	Tyr	Glu	Asn	Ile	Tyr	Ile	Thr	Arg	Gln				
	210					215					220								
Phe	Val	Gln	Phe	Asp	Glu	Arg	Glu	Arg	His	Gln	Gln	Arg	Pro	Cys	Val				
225					230					235					240				
Leu	Pro	Leu	Asn	Lys	Glu	Glu	Arg	Arg	Lys	Tyr	Val	Ile	Ile	Pro	Thr				
				245					250					255					
Phe	Trp	Pro	Thr	Pro	Lys	Glu	Arg	Lys	Asn	Leu	Gly	Leu	Phe	Phe	Leu				
			260					265					270						
Pro	Ile	Leu	Ile	His	Leu	Cys	Ile	Trp	Val	Leu	Xaa	Ala	Ala	Val	Asp				
	275						280					285							
Tyr	Leu	Leu	Tyr	Arg	Leu	Ile	Phe	Ser	Val	Ser	Lys	Gln	Phe	Gln	Ser				
	290					295					300								
Leu	Pro	Gly	Phe	Glu	Val	His	Leu	Lys	Leu	His	Gly	Glu	Lys	Gln	Gly				
305					310					315					320				
Thr	Gln	Asp	Ile	Ile	His	Asp	Ser	Ser	Phe	Asn	Ile	Ser	Val	Phe	Glu				
				325					330					335					
Pro	Asn	Cys	Ile	Pro	Lys	Pro	Trp	Gln	Ala	Leu	Lys	Leu	Leu	Ala	His				
			340					345					350						

<210> 2123
 <211> 259
 <212> PRT
 <213> Homo sapiens

<400> 2123
 Met Val Ser Cys Ser Ile Leu Ala Leu Thr His Leu Leu Phe Glu Phe
 1 5 10 15

 Lys Gly Leu Met Gly Thr Ser Thr Val Glu Gln Leu Leu Glu Asn Val
 20 25 30

 Cys Leu Leu Leu Ala Ser Arg Thr Arg Asp Val Val Lys Ser Ala Leu
 35 40 45

Gly Phe Ile Lys Val Ala Val Thr Val Met Asp Val Ala His Leu Ala
 50 55 60
 Lys His Val Gln Leu Val Met Glu Ala Ile Gly Lys Leu Ser Asp Asp
 65 70 75 80
 Met Arg Arg His Phe Arg Met Lys Leu Arg Asn Leu Phe Thr Lys Phe
 85 90 95
 Ile Arg Lys Phe Gly Phe Glu Leu Val Lys Arg Leu Leu Pro Glu Glu
 100 105 110
 Tyr His Arg Val Leu Val Asn Ile Arg Lys Ala Glu Ala Arg Ala Lys
 115 120 125
 Arg His Arg Ala Leu Ser Gln Ala Ala Val Glu Glu Glu Glu Glu Glu
 130 135 140
 Glu Glu Glu Glu Glu Pro Ala Gln Gly Lys Gly Asp Ser Ile Glu Glu
 145 150 155 160
 Ile Leu Ala Asp Ser Glu Asp Glu Glu Asp Asn Glu Glu Glu Glu Arg
 165 170 175
 Ser Arg Gly Lys Glu Gln Arg Lys Leu Ala Arg Gln Arg Ser Arg Ala
 180 185 190
 Trp Leu Lys Glu Gly Gly Gly Asp Glu Pro Leu Asn Phe Leu Asp Pro
 195 200 205
 Lys Val Ala Gln Arg Val Leu Ala Thr Gln Pro Gly Pro Ala Gly Gln
 210 215 220
 Glu Glu Gly Pro Gln Leu Gln Gly Glu Arg Arg Trp Pro Ala Asp His
 225 230 235 240
 Lys Gly Gly Gly Arg Arg Gln Gln Asp Gly Gly Arg Gly Arg Cys Gln
 245 250 255
 Arg Arg Arg

<210> 2124

<211> 42

<212> PRT

<213> Homo sapiens

<400> 2124

Met Leu Trp Leu Gly Thr Ser Leu Ile Phe Ser Ser Phe Ser Ala Ser
 1 5 10 15

Phe Asp Gly Val Pro Phe Leu Ser Ser Trp Leu Phe Trp Ser Ser Gly
 20 25 30

Ser Ser Pro Asn Ser Leu Ile Pro Pro Phe
 35 40

<210> 2125
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 2125
 Met Tyr Pro Pro Val Ala Pro Ser Phe Trp Gly Cys Val Cys Phe Phe
 1 5 10 15

Trp Ala Val Pro Leu Val Cys Cys Arg Asp Ser Trp Lys Gly Leu Ser
 20 25 30

Leu Phe Val Gly Ser Gly Gly Leu Gly Leu Val Glu His
 35 40 45

<210> 2126
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 2126
 Met Trp Pro Phe Leu His Leu Leu Asn Met Pro Phe Thr Leu Thr Gln
 1 5 10 15

Val Val Ala Ser Pro Ser Ser Cys Ser Asn Trp Lys Pro Gln His Pro
 20 25 30

Glu Met Pro Pro Pro Gln Ile His Cys Thr His Val Cys Leu Cys Met
 35 40 45

Arg Val Cys Ala Arg Val
 50

<210> 2127
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 2127

Met	Leu	Met	Leu	Leu	Thr	Leu	Leu	Val	Leu	Gly	Met	Val	Trp	Val	Ala
1				5					10					15	
Ser	Ala	Ile	Val	Asp	Lys	Asn	Lys	Ala	Asn	Arg	Glu	Ser	Leu	Tyr	Asp
		20						25					30		
Phe	Trp	Glu	Tyr	Tyr	Leu	Pro	Tyr	Leu	Tyr	Ser	Cys	Ile	Ser	Phe	Leu
		35					40					45			
Gly	Val	Leu	Leu	Leu	Leu	Gly	Glu	Cys	Thr	Gly	Ser	Gly	Arg	Glu	Trp
	50					55					60				
Ala	Gly	Ser	Leu	Asp	Gln	Ser	Asn	Gln	Ala	Arg	Arg	Lys	Gly	Asn	Gly
65					70					75					80
Gly	His	Val	Arg	Glu	Gly	Val	Glu	Ser	Arg	Val	Trp	Gln	Val	Thr	Gly
			85						90					95	
Ser	Cys	Pro	Tyr	Ser	Val	Tyr	Ser	Thr	Gly	Ser	Arg	Pro	His	Val	Leu
			100					105					110		
Arg	His	Trp	Glu	Ala	Ala	Ser	Gln	Ala	Pro	Ala	Ala	Gly	Arg	Pro	Gly
		115					120					125			
Gly	Ala	Ala	Val	Leu	Leu	Ser	Leu								
	130					135									

<210> 2128

<211> 74

<212> PRT

<213> Homo sapiens

<400> 2128

Met	His	Trp	Thr	Phe	Ser	Ser	Ser	Leu	Gly	Cys	Leu	Tyr	His	Phe	Ser
1				5					10					15	
Leu	Ser	Phe	Ser	Gly	Leu	His	Thr	Val	Leu	Lys	Ser	Ser	Pro	Ser	Ser
			20					25					30		
Arg	Phe	Leu	Leu	Pro	Cys	Ser	Ser	Gln	Val	Thr	Gln	Pro	Ser	Pro	Val
		35					40					45			
Gly	Gln	Pro	Arg	Leu	Val	Val	Gln	Leu	Pro	Pro	Val	Lys	Val	Ile	Gly
	50					55					60				
His	Arg	Thr	Gly	Gln	Cys	Arg	Gly	Pro	Gly						
65					70										

<400> 2129

Leu Ile Ser Thr Ile Tyr Met Ala Ala Ser Ile Gly Thr Asp Phe Trp
20 25 30

Ser Ile Trp Asp Glu Phe Ile Ser Asp Glu Ala Asp Glu Lys Thr Tyr
50 55 60

Cys Ile Thr Ile Pro Lys Asn Met His Trp Tyr Ser Pro Pro Glu Arg
85 90 95

Thr Glu Ser Phe Asp Val Val Thr Lys Cys Val Ser Phe Thr Leu Thr
100 105 110

Glu Gln Phe Met Glu Lys Phe Val Asp Pro Gly Asn His Asn Ser Gly
115 120 125

Ile Asp Leu Leu Arg Thr Tyr Leu Trp Arg Cys Gln Phe Leu Leu Pro
130 135 140

Phe Val Ser Leu Gly Leu Met Cys Phe Gly Ala Leu Ile Gly Leu Cys
145 150 155 160

Ala Cys Ile Cys Arg Ser Leu Tyr Pro Thr Ile Ala Thr Gly Ile Leu
165 170 175

His Leu Leu Ala Gly Leu Cys Thr Leu Gly Ser Val Ser Cys Tyr Val
180 185 190

Ala Gly Ile Glu Leu Leu His Gln Lys Leu Glu Leu Pro Asp Asn Val
195 200 205

Ser Gly Glu Phe Gly Trp Ser Phe Cys Leu Ala Cys Val Ser Ala Pro
210 215 220

Leu Gln Phe Met Ala Ser Ala Leu Phe Ile Trp Ala Ala His Thr Asn
225 230 235 240

1615

245

250

<210> 2130

<211> 253

<212> PRT

<213> Homo sapiens

<400> 2130

Met Asp Asn Arg Phe Ala Thr Ala Phe Val Ile Ala Cys Val Leu Ser
 1 5 10 15

Leu Ile Ser Thr Ile Tyr Met Ala Ala Ser Ile Gly Thr Asp Phe Trp
 20 25 30

Tyr Glu Tyr Arg Ser Pro Val Gln Glu Asn Ser Ser Asp Leu Asn Lys
 35 40 45

Ser Ile Trp Asp Glu Phe Ile Ser Asp Glu Ala Asp Glu Lys Thr Tyr
 50 55 60

Asn Asp Ala Leu Phe Arg Tyr Asn Gly Thr Val Gly Leu Trp Arg Arg
 65 70 75 80

Cys Ile Thr Ile Pro Lys Asn Met His Trp Tyr Ser Pro Pro Glu Arg
 85 90 95

Thr Glu Ser Phe Asp Val Val Thr Lys Cys Val Ser Phe Thr Leu Thr
 100 105 110

Glu Gln Phe Met Glu Lys Phe Val Asp Pro Gly Asn His Asn Ser Gly
 115 120 125

Ile Asp Leu Leu Arg Thr Tyr Leu Trp Arg Cys Gln Phe Leu Leu Pro
 130 135 140

Phe Val Ser Leu Gly Leu Met Cys Phe Gly Ala Leu Ile Gly Leu Cys
 145 150 155 160

Ala Cys Ile Cys Arg Ser Leu Tyr Pro Thr Ile Ala Thr Gly Ile Leu
 165 170 175

His Leu Leu Ala Gly Leu Cys Thr Leu Gly Ser Val Ser Cys Tyr Val
 180 185 190

Ala Gly Ile Glu Leu Leu His Gln Lys Leu Glu Leu Pro Asp Asn Val
 195 200 205

Ser Gly Glu Phe Gly Trp Ser Phe Cys Leu Ala Cys Val Ser Ala Pro
 210 215 220

Leu Gln Phe Met Ala Ser Ala Leu Phe Ile Trp Ala Ala His Thr Asn
 225 230 235 240

Arg Lys Glu Tyr Thr Leu Met Lys Ala Tyr Arg Val Ala
 245 250

<210> 2131

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2131

Met Phe Phe Gln Gly Trp Val Asp Arg Trp Leu Leu Gly Cys Leu Ala
 1 5 10 15

Pro Gly Gly Phe Ala Ile His Glu Ala Arg Ala Gly Asn Thr Val Ser
 20 25 30

Leu Pro Met Val Asp Pro Cys Glu Cys Gln Glu Ala Ser Ser Ser Val
 35 40 45

Leu Glu Met Ile Ser Ala Thr Ile Leu
 50 55

<210> 2132

<211> 41

<212> PRT

<213> Homo sapiens

<400> 2132

Met Asn Leu Met Val Arg Leu Leu Ala Leu Gly Leu Ile Ser Gly Met
 1 5 10 15

Met Ser Asn Ile Thr Gln Ser His Ser Ser Lys Ile Ser Ala Phe Gly
 20 25 30

Ile Phe Ile Gly Pro Glu Gln Phe Leu
 35 40

<210> 2133

<211> 51

<212> PRT

<213> Homo sapiens

<400> 2133

Met Ser Leu Glu Pro Ser Thr Ser Ser Phe Asn Ile Leu Leu Phe Pro

1	5	10	15
Ala Phe Leu Arg Val Phe Gly Trp Ala Leu Gly Trp Met Pro Trp Glu			
	20	25	30
Tyr Leu Tyr Leu Ser Ser Lys Val Thr Asn Gly Glu Thr Gly Thr Gln			
	35	40	45
Arg Gly Thr			
50			

<210> 2134
 <211> 60
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2134
Met Phe Phe Pro Cys Leu Pro Thr Leu Xaa Leu Arg Ile Leu His Ser
1 5 10 15
Gly Trp Val Gly Leu Phe Leu Leu Ile Ser Ser Arg Ala Pro Ser Ser
20 25 30
Ser Leu Ala Trp Lys His Gly Pro Gly Xaa Leu Trp Trp Pro Arg Arg
35 40 45
Pro Leu Arg Ser Cys Thr Gly Leu Ala Ser Cys Gly
50 55 60

<210> 2135
 <211> 60
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2135

Met Phe Phe Pro Cys Leu Pro Thr Leu Xaa Leu Arg Ile Leu His Ser
1 5 10 15

Gly Trp Val Gly Leu Phe Leu Leu Ile Ser Ser Arg Ala Pro Ser Ser
20 25 30

Ser Leu Ala Trp Lys His Gly Pro Gly Glu Leu Trp Trp Pro Arg Xaa
35 40 45

Pro Leu Arg Ser Cys Thr Gly Leu Ala Ser Cys Gly
50 55 60

<210> 2136

<211> 78

<212> PRT

<213> Homo sapiens

<400> 2136

Met Ser Pro His Gln Pro Met Gln Val Ser Ser Ser Lys Thr Ile Leu
1 5 10 15

Trp Leu Val Leu Ser Cys Leu Cys Pro Ser Ser Pro His Pro Val Ile
20 25 30

Ser Gly Leu Pro Gln Trp Tyr Ile Gly Val Leu Ala Gly Ile Val Pro
35 40 45

Val Ala Pro Ile Arg Pro Gly Asp Ser Gly Leu Asp Leu Gln Arg Glu
50 55 60

Gly Pro Gln Pro Ile Leu Ser Gln Gly Leu Asn Arg Arg Thr
65 70 75

<210> 2137

<211> 78

<212> PRT

<213> Homo sapiens

<400> 2137

Met Ser Pro His Gln Pro Met Gln Val Ser Ser Ser Lys Thr Ile Leu
1 5 10 15

Trp Leu Val Leu Ser Cys Leu Cys Pro Ser Ser Pro His Pro Val Ile
 20 25 30
 Ser Gly Leu Pro Gln Trp Tyr Ile Gly Val Leu Ala Gly Ile Val Pro
 35 40 45
 Val Ala Pro Ile Arg Pro Gly Asp Ser Gly Leu Asp Leu Gln Arg Glu
 50 55 60
 Gly Pro Gln Pro Ile Leu Ser Gln Gly Leu Asn Arg Arg Thr
 65 70 75

<210> 2138
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 2138
 Met Ser Ala Val Ser Ala Pro Ala Leu Trp Gln Thr Trp Cys Val Pro
 1 5 10 15
 Ala Ala Arg Ala Trp Thr Ser Ser Thr Leu Arg His Asp Ala Val Ala
 20 25 30
 Arg Pro Asn Pro Ser Thr Ser Leu Thr Pro Gly Leu Leu Thr Ser Ser
 35 40 45
 Asp Ser Pro Arg Trp Pro Gly Leu Gln Glu Ala Pro Gly Arg Pro Cys
 50 55 60
 Ile Arg Leu Gly Arg Ser Glu Leu Cys Met Tyr Ile Tyr Thr Tyr Ile
 65 70 75 80
 Asp Thr Phe Ile Ile Tyr Thr His Ser Leu Tyr Ile Tyr Ile His Cys
 85 90 95
 Phe Leu Ala Pro Glu Leu Ile Trp Val Gln Ala His Phe Lys Thr Leu
 100 105 110
 Pro Gly Gly Gly Cys Phe Phe Ser Gly Phe Leu Ala Arg Glu Glu Gly
 115 120 125
 Glu Gly Thr Gly Trp Val Phe Ser Leu Lys Arg Glu Ser Arg Arg Phe
 130 135 140

<210> 2139
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 2139
 Met Leu His Trp Val Leu Ser Phe Phe Phe Leu Leu Ser Cys Pro Arg
 1 5 10 15
 Thr Glu Gly Leu Pro Gly Leu Tyr Cys Pro Gly Cys Ser Gln Cys Pro
 20 25 30
 Gly Arg Gly Met Trp Pro Gly Asp Pro Gly Pro Gly Ile Gln Gly Pro
 35 40 45
 Gly Leu Asp Leu Arg Thr Gly Met Glu Ala Thr Gly Ala Gln Gln Pro
 50 55 60
 Thr Leu Ser Ser Pro His Cys Leu Leu Ser Leu Pro Thr Leu Pro Ala
 65 70 75 80
 Arg Ala Val Gln Leu Arg Trp Asp Leu Ser Ile Ser Arg Ala Gly Gly
 85 90 95
 Arg Val Ala Val Leu Gly Leu Cys Leu Glu Pro Gly Gly Ser Leu Leu
 100 105 110
 Leu Pro Pro Ser Ala Leu Pro Glu Thr Asp Pro Cys Ala Ala Cys Pro
 115 120 125
 Pro Cys Pro Phe Val Pro Met Ser Gly Gly Gly Gly Arg Pro Thr Val
 130 135 140
 Pro Glu Ala Gly His Gln Pro
 145 150

<210> 2140
 <211> 173
 <212> PRT
 <213> Homo sapiens

<400> 2140
 Met Pro Pro Tyr Thr Pro Phe Phe Gly Thr Arg Ala Leu Leu Ser Val
 1 5 10 15
 Ser Leu Pro Pro Pro Cys Met Leu His Trp Val Leu Ser Phe Phe Phe
 20 25 30
 Leu Leu Ser Cys Pro Arg Thr Glu Gly Leu Pro Gly Leu Tyr Cys Pro

<210> 2142
<211> 53
<212> PRT
<213> Homo sapiens

<400> 2142
Met Gly Gln Arg Gly Val Phe Leu Leu Ile Leu Asp Ala Phe Ser Val
1 5 10 15
Pro Ser Thr Ala Ser Cys Leu Ile Thr Pro Leu Pro Pro Pro His Pro
20 25 30
Gln Pro Ser Gln Phe Phe Leu Ala Ser Ala Leu Gln Pro Tyr Leu Gly
35 40 45
Lys Glu Glu Trp Val
50

<210> 2143
<211> 53
<212> PRT
<213> Homo sapiens

<400> 2143
Met Gly Gln Arg Gly Val Phe Leu Leu Ile Leu Asp Ala Phe Ser Val
1 5 10 15
Pro Ser Thr Ala Ser Cys Leu Ile Thr Pro Leu Pro Pro Pro His Pro
20 25 30
Gln Pro Ser Gln Phe Phe Leu Ala Ser Ala Leu Gln Pro Tyr Leu Gly
35 40 45
Lys Glu Glu Trp Val
50

<210> 2144
<211> 53
<212> PRT
<213> Homo sapiens

<400> 2144
Met Gly Gln Arg Gly Val Phe Leu Leu Ile Leu Asp Ala Phe Ser Val
1 5 10 15
Pro Ser Thr Ala Ser Cys Leu Ile Thr Pro Leu Pro Pro Pro His Pro

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2146

Met	Met	Thr	Met	Thr	Ser	Asp	Arg	Trp	Phe	Ser	Met	Ala	Trp	Ala	Ser
1				5					10					15	

Cys	Ser	Leu	Ser	Arg	Pro	Pro	Leu	Thr	Pro	Ser	Cys	Ser	Cys	Gln	Gln
			20					25					30		

Pro	Ala	Thr	Val	Ala	Leu	Leu	Leu	Gln	Thr	Ile	Ser	Val	Cys	Ser	Ala
		35					40					45			

Gln	Gln	Ala	Asp	Pro	Leu	Ser	Pro	Pro	Arg	Ala	Cys	Arg	Pro	Xaa	Arg
	50					55					60				

Gln	Phe	Pro	Val	Leu	Gln	Ser	Ala	Gly	Pro	Pro	His	Ser	Pro	His	Val
65					70					75					80

Tyr	Ala	Phe	Val	Leu	Phe	Pro	Val	Ser	Ser	Arg	Trp	Gln	Gly	Gly	Asp
				85					90					95	

Phe	Cys	Xaa	Ile	Cys	Cys	Cys	Phe	Pro	Gln	Cys	Leu	Gly	Arg	Cys	Leu
			100					105					110		

Glu	His	Thr	Arg	Cys	Ser	Ile	Asn	Pro	Xaa
		115					120		

<210> 2147

<211> 99

<212> PRT

<213> Homo sapiens

<400> 2147

Met	Glu	Gly	Pro	Arg	Gly	Trp	Leu	Val	Leu	Cys	Val	Leu	Ala	Ile	Ser
1				5					10					15	

Leu	Ala	Ser	Met	Val	Thr	Glu	Asp	Leu	Cys	Arg	Ala	Pro	Asp	Gly	Lys
			20					25					30		

Lys	Gly	Glu	Ala	Gly	Arg	Pro	Gly	Arg	Arg	Gly	Arg	Pro	Gly	Leu	Lys
		35					40					45			

Gly	Glu	Gln	Gly	Glu	Pro	Gly	Ala	Pro	Gly	Ile	Arg	Thr	Gly	Ile	Gln
	50					55					60				

Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
65 70 75 80

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Arg Ser Pro Trp His
85 90 95

Pro Gly Asn

<210> 2148

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2148

Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
1 5 10 15

Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
20 25 30

Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
35 40 45

Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
50 55 60

Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
65 70 75 80

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
85 90 95

Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
100 105 110

Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
115 120 125

Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
130 135 140

Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
145 150 155 160

Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
165 170 175

Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
180 185 190

Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
195 200 205

Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
210 215 220

His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
225 230 235 240

Ile Phe Pro Ser Ala
245

<210> 2149

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2149

Met Gly His Leu His Trp Gly Val Ser Gly Asn Phe Phe Phe Pro Arg
1 5 10 15

Leu Ser Leu Phe Leu Leu Phe Ala Trp Leu Gln Ile Thr Gln Ala Asn
20 25 30

Glu Pro Arg Leu Pro Gly Lys Tyr Ser Ile Lys Ala Ile Lys Ile Thr
35 40 45

Ile Cys Ile Thr Phe Arg Thr Ser Ala
50 55

<210> 2150

<211> 152

<212> PRT

<213> Homo sapiens

<400> 2150

Met Gly Val His Val Gly Ala Ala Leu Gly Ala Leu Trp Phe Cys Leu
1 5 10 15

Thr Gly Ala Leu Glu Val Gln Val Pro Glu Asp Pro Val Val Ala Leu
20 25 30

Val Gly Thr Asp Ala Thr Leu Cys Cys Ser Phe Ser Pro Glu Pro Gly
35 40 45

Phe Ser Leu Ala Gln Leu Asn Leu Ile Trp Gln Leu Thr Asp Thr Lys
50 55 60

Gln Leu Val His Ser Phe Ala Glu Gly Gln Asp Gln Gly Ser Ala Tyr
 65 70 75 80
 Ala Asn Arg Thr Ala Leu Phe Leu Asp Leu Leu Ala Gln Gly Asn Ala
 85 90 95
 Ser Leu Arg Leu Gln Ser Val Arg Val Ala Asp Glu Gly Gln Leu His
 100 105 110
 Leu Leu Arg Glu His Pro Gly Phe Arg Gln Arg Cys Arg Gln Pro Ala
 115 120 125
 Gly Gly Arg Ser Leu Leu Glu Ala Gln His Asp Pro Gly Ala Gln Gln
 130 135 140
 Gly Pro Ala Ala Arg Gly Thr Trp
 145 150

<210> 2151

<211> 302

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2151

Met Arg Leu Gly Ser Pro Gly Leu Leu Phe Leu Leu Phe Ser Ser Leu
 1 5 10 15
 Arg Ala Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp
 20 25 30
 Val Glu Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn
 35 40 45
 Asp Val Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr
 50 55 60
 Tyr His Ile Pro Gln Asn Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr
 65 70 75 80
 Arg Asn Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe
 85 90 95
 Ser Leu Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His
 100 105 110

Cys Leu Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Xaa
 115 120 125
 Glu Val Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser
 130 135 140
 Ala Pro His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser
 145 150 155 160
 Ile Asn Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp
 165 170 175
 Asn Ser Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn
 180 185 190
 Met Arg Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr
 195 200 205
 Pro Ser Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln
 210 215 220
 Asn Leu Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp
 225 230 235 240
 Lys Ile Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 245 250 255
 Trp Ser Ile Leu Ala Val Leu Cys Leu Leu Val Val Val Ala Val Ala
 260 265 270
 Ile Gly Trp Val Cys Arg Asp Arg Cys Leu Gln His Ser Tyr Ala Gly
 275 280 285
 Ala Trp Ala Val Ser Pro Glu Thr Glu Leu Thr Gly His Val
 290 295 300

<210> 2152

<211> 316

<212> PRT

<213> Homo sapiens

<400> 2152

Met Leu Arg Arg Arg Gly Ser Pro Gly Met Gly Val His Val Gly Ala
 1 5 10 15

Ala Leu Gly Ala Leu Trp Phe Cys Leu Thr Gly Ala Leu Glu Val Gln
 20 25 30

Val Pro Glu Asp Pro Val Val Ala Leu Val Gly Thr Asp Ala Thr Leu

35					40					45					
Cys	Cys	Ser	Phe	Ser	Pro	Glu	Pro	Gly	Phe	Ser	Leu	Ala	Gln	Leu	Asn
	50					55					60				
Leu	Ile	Trp	Gln	Leu	Thr	Asp	Thr	Lys	Gln	Leu	Val	His	Ser	Phe	Ala
65					70					75					80
Glu	Gly	Gln	Asp	Gln	Gly	Ser	Ala	Tyr	Ala	Asn	Arg	Thr	Ala	Leu	Phe
				85					90					95	
Pro	Asp	Leu	Leu	Ala	Gln	Gly	Asn	Ala	Ser	Leu	Arg	Leu	Gln	Arg	Val
			100					105					110		
Arg	Val	Ala	Asp	Glu	Gly	Ser	Phe	Thr	Cys	Phe	Val	Ser	Ile	Arg	Asp
		115					120					125			
Phe	Gly	Ser	Ala	Ala	Val	Ser	Leu	Gln	Val	Ala	Ala	Pro	Tyr	Ser	Lys
	130					135					140				
Pro	Ser	Met	Thr	Leu	Glu	Pro	Asn	Lys	Asp	Leu	Arg	Pro	Gly	Asp	Thr
145					150					155					160
Val	Thr	Ile	Thr	Cys	Ser	Ser	Tyr	Gln	Gly	Tyr	Pro	Glu	Ala	Glu	Val
				165					170					175	
Phe	Trp	Gln	Asp	Gly	Gln	Gly	Val	Pro	Leu	Thr	Gly	Asn	Val	Thr	Thr
			180					185					190		
Ser	Gln	Met	Ala	Asn	Glu	Gln	Gly	Leu	Phe	Asp	Val	His	Ser	Ile	Leu
		195					200					205			
Arg	Val	Val	Leu	Gly	Ala	Asn	Gly	Thr	Tyr	Ser	Cys	Leu	Val	Arg	Asn
	210					215					220				
Pro	Val	Leu	Gln	Gln	Asp	Ala	His	Ser	Ser	Val	Thr	Ile	Thr	Gly	Gln
225					230					235					240
Pro	Met	Thr	Phe	Pro	Pro	Glu	Ala	Leu	Trp	Val	Thr	Val	Gly	Leu	Ser
				245					250					255	
Val	Cys	Leu	Ile	Ala	Leu	Leu	Val	Ala	Leu	Ala	Phe	Val	Cys	Trp	Arg
			260					265					270		
Lys	Ile	Lys	Gln	Ser	Cys	Glu	Glu	Glu	Asn	Ala	Gly	Ala	Glu	Asp	Gln
		275					280					285			
Asp	Gly	Glu	Gly	Glu	Gly	Ser	Lys	Thr	Ala	Leu	Gln	Pro	Leu	Lys	His
	290					295					300				
Ser	Asp	Ser	Lys	Glu	Asp	Asp	Gly	Gln	Glu	Ile	Ala				
305					310					315					

<210> 2153

<211> 831

<212> PRT

<213> Homo sapiens

<400> 2153

Met	Lys	Val	His	Met	His	Thr	Lys	Phe	Cys	Leu	Ile	Cys	Leu	Leu	Thr
1				5					10					15	

Phe	Ile	Phe	His	His	Cys	Asn	His	Cys	His	Glu	Glu	His	Asp	His	Gly
			20					25					30		

Pro	Glu	Ala	Leu	His	Arg	Gln	His	Arg	Gly	Met	Thr	Glu	Leu	Glu	Pro
		35					40					45			

Ser	Lys	Phe	Ser	Lys	Gln	Ala	Ala	Glu	Asn	Glu	Lys	Lys	Tyr	Tyr	Ile
	50					55					60				

Glu	Lys	Leu	Phe	Glu	Arg	Tyr	Gly	Glu	Asn	Gly	Arg	Leu	Ser	Phe	Phe
65					70					75					80

Gly	Leu	Glu	Lys	Leu	Leu	Thr	Asn	Leu	Gly	Leu	Gly	Glu	Arg	Lys	Val
				85					90					95	

Val	Glu	Ile	Asn	His	Glu	Asp	Leu	Gly	His	Asp	His	Val	Ser	His	Leu
			100					105					110		

Asp	Ile	Leu	Ala	Val	Gln	Glu	Gly	Lys	His	Phe	His	Ser	His	Asn	His
		115					120					125			

Gln	His	Ser	His	Asn	His	Leu	Asn	Ser	Glu	Asn	Gln	Thr	Val	Thr	Ser
	130					135					140				

Val	Ser	Thr	Lys	Arg	Asn	His	Lys	Cys	Asp	Pro	Glu	Lys	Glu	Thr	Val
145					150					155					160

Glu	Val	Ser	Val	Lys	Ser	Asp	Asp	Lys	His	Met	His	Asp	His	Asn	His
				165					170					175	

Arg	Leu	Arg	His	His	His	Arg	Leu	His	His	His	Leu	Asp	His	Asn	Asn
			180					185						190	

Thr	His	His	Phe	His	Asn	Asp	Ser	Ile	Thr	Pro	Ser	Glu	Arg	Gly	Glu
		195					200					205			

Pro	Ser	Asn	Glu	Pro	Ser	Thr	Glu	Thr	Asn	Lys	Thr	Gln	Glu	Gln	Ser
	210					215					220				

Asp	Val	Lys	Leu	Pro	Lys	Gly	Lys	Arg	Lys	Lys	Lys	Gly	Arg	Lys	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

225						230												240
Asn	Glu	Asn	Ser	Glu	Val	Ile	Thr	Pro	Gly	Phe	Pro	Pro	Asn	His	Asp			
				245					250					255				
Gln	Gly	Glu	Gln	Tyr	Glu	His	Asn	Arg	Val	His	Lys	Pro	Asp	Arg	Val			
			260					265					270					
His	Asn	Pro	Gly	His	Ser	His	Val	His	Leu	Pro	Glu	Arg	Asn	Gly	His			
		275					280					285						
Asp	Pro	Gly	Arg	Gly	His	Gln	Asp	Leu	Asp	Pro	Asp	Asn	Glu	Gly	Glu			
	290					295					300							
Leu	Arg	His	Thr	Arg	Lys	Arg	Glu	Ala	Pro	His	Val	Lys	Asn	Asn	Ala			
305					310					315					320			
Ile	Ile	Ser	Leu	Arg	Lys	Asp	Leu	Asn	Glu	Asp	Asp	His	His	His	Glu			
				325					330					335				
Cys	Leu	Asn	Val	Thr	Gln	Leu	Leu	Lys	Tyr	Tyr	Gly	His	Gly	Ala	Asn			
			340					345					350					
Ser	Pro	Ile	Ser	Thr	Asp	Leu	Phe	Thr	Tyr	Leu	Cys	Pro	Ala	Leu	Leu			
		355					360					365						
Tyr	Gln	Ile	Asp	Ser	Arg	Leu	Cys	Ile	Glu	His	Phe	Asp	Lys	Leu	Leu			
	370					375					380							
Val	Glu	Asp	Ile	Asn	Lys	Asp	Lys	Asn	Leu	Val	Pro	Glu	Asp	Glu	Ala			
385					390					395					400			
Asn	Ile	Gly	Ala	Ser	Ala	Trp	Ile	Cys	Gly	Ile	Ile	Ser	Ile	Thr	Val			
				405					410					415				
Ile	Ser	Leu	Leu	Ser	Leu	Leu	Gly	Val	Ile	Leu	Val	Pro	Ile	Ile	Asn			
			420					425					430					
Gln	Gly	Cys	Phe	Lys	Phe	Leu	Leu	Thr	Phe	Leu	Val	Ala	Leu	Ala	Val			
		435					440					445						
Gly	Thr	Met	Ser	Gly	Asp	Ala	Leu	Leu	His	Leu	Leu	Pro	His	Ser	Gln			
	450					455					460							
Gly	Gly	His	Asp	His	Ser	His	Gln	His	Ala	His	Gly	His	Gly	His	Ser			
465					470					475					480			
His	Gly	His	Glu	Ser	Asn	Lys	Phe	Leu	Glu	Glu	Tyr	Asp	Ala	Val	Leu			
				485					490					495				
Lys	Gly	Leu	Val	Ala	Leu	Gly	Gly	Ile	Tyr	Leu	Leu	Phe	Ile	Ile	Glu			
			500					505					510					

His	Cys	Ile	Arg	Met	Phe	Lys	His	Tyr	Lys	Gln	Gln	Arg	Gly	Lys	Gln	
		515					520					525				
Lys	Trp	Phe	Met	Lys	Gln	Asn	Thr	Glu	Glu	Ser	Thr	Ile	Gly	Arg	Lys	
	530					535					540					
Leu	Ser	Asp	His	Lys	Leu	Asn	Asn	Thr	Pro	Asp	Ser	Asp	Trp	Leu	Gln	
545					550					555					560	
Leu	Lys	Pro	Leu	Ala	Gly	Thr	Asp	Asp	Ser	Val	Val	Ser	Glu	Asp	Arg	
				565					570					575		
Leu	Asn	Glu	Thr	Glu	Leu	Thr	Asp	Leu	Glu	Gly	Gln	Gln	Glu	Ser	Pro	
			580					585					590			
Pro	Lys	Asn	Tyr	Leu	Cys	Ile	Glu	Glu	Glu	Lys	Ile	Ile	Asp	His	Ser	
		595					600					605				
His	Ser	Asp	Gly	Leu	His	Thr	Ile	His	Glu	His	Asp	Leu	His	Ala	Ala	
	610					615					620					
Ala	His	Asn	His	His	Gly	Glu	Asn	Lys	Thr	Val	Leu	Arg	Lys	His	Asn	
625					630					635					640	
His	Gln	Trp	His	His	Lys	His	Ser	His	His	Ser	His	Gly	Pro	Cys	His	
				645					650					655		
Ser	Gly	Ser	Asp	Leu	Lys	Glu	Thr	Gly	Ile	Ala	Asn	Ile	Ala	Trp	Met	
			660					665					670			
Val	Ile	Met	Gly	Asp	Gly	Ile	His	Asn	Phe	Ser	Asp	Gly	Leu	Ala	Ile	
		675					680					685				
Gly	Ala	Ala	Phe	Ser	Ala	Gly	Leu	Thr	Gly	Gly	Ile	Ser	Thr	Ser	Ile	
	690					695					700					
Ala	Val	Phe	Cys	His	Glu	Leu	Pro	His	Glu	Leu	Gly	Asp	Phe	Ala	Val	
705					710					715					720	
Leu	Leu	Lys	Ala	Gly	Met	Thr	Val	Lys	Gln	Ala	Ile	Val	Tyr	Asn	Leu	
				725					730					735		
Leu	Ser	Ala	Met	Met	Ala	Tyr	Ile	Gly	Met	Leu	Ile	Gly	Thr	Ala	Val	
			740					745					750			
Gly	Gln	Tyr	Ala	Asn	Asn	Ile	Thr	Leu	Trp	Ile	Phe	Ala	Val	Thr	Ala	
		755					760					765				
Gly	Met	Phe	Leu	Tyr	Val	Ala	Leu	Val	Asp	Met	Leu	Pro	Glu	Met	Leu	
	770					775					780					

His Gly Asp Gly Asp Asn Glu Glu His Gly Phe Cys Pro Val Gly Gln
785 790 795 800

Phe Ile Leu Gln Asn Leu Gly Leu Leu Phe Gly Phe Ala Ile Met Leu
805 810 815

Val Ile Ala Leu Tyr Glu Asp Lys Ile Val Phe Asp Ile Gln Phe
820 825 830

<210> 2154

<211> 480

<212> PRT

<213> Homo sapiens

<400> 2154

Met Leu Phe Arg Asn Arg Phe Leu Leu Leu Leu Ala Leu Ala Ala Leu
1 5 10 15

Leu Ala Phe Val Ser Leu Ser Leu Gln Phe Phe His Leu Ile Pro Val
20 25 30

Ser Thr Pro Lys Asn Gly Met Ser Ser Lys Ser Arg Lys Arg Ile Met
35 40 45

Pro Asp Pro Val Thr Glu Pro Pro Val Thr Asp Pro Val Tyr Glu Ala
50 55 60

Leu Leu Tyr Cys Asn Ile Pro Ser Val Ala Glu Arg Ser Met Glu Gly
65 70 75 80

His Ala Pro His His Phe Lys Leu Val Ser Val His Val Phe Ile Arg
85 90 95

His Gly Asp Arg Tyr Pro Leu Tyr Val Ile Pro Lys Thr Lys Arg Pro
100 105 110

Glu Ile Asp Cys Thr Leu Val Ala Asn Arg Lys Pro Tyr His Pro Lys
115 120 125

Leu Glu Ala Phe Ile Ser His Met Ser Lys Gly Ser Gly Ala Ser Phe
130 135 140

Glu Ser Pro Leu Asn Ser Leu Pro Leu Tyr Pro Asn His Pro Leu Cys
145 150 155 160

Glu Met Gly Glu Leu Thr Gln Thr Gly Val Val Gln His Leu Gln Asn
165 170 175

Gly Gln Leu Leu Arg Asp Ile Tyr Leu Lys Lys His Lys Leu Leu Pro
180 185 190

Asn	Asp	Trp	Ser	Ala	Asp	Gln	Leu	Tyr	Leu	Glu	Thr	Thr	Gly	Lys	Ser			
		195					200					205						
Arg	Thr	Leu	Gln	Ser	Gly	Leu	Ala	Leu	Leu	Tyr	Gly	Phe	Leu	Pro	Asp			
	210					215					220							
Phe	Asp	Trp	Lys	Lys	Ile	Tyr	Phe	Arg	His	Gln	Pro	Ser	Ala	Leu	Phe			
225					230					235					240			
Cys	Ser	Gly	Ser	Cys	Tyr	Cys	Pro	Val	Arg	Asn	Gln	Tyr	Leu	Glu	Lys			
				245					250					255				
Glu	Gln	Arg	Arg	Gln	Tyr	Leu	Leu	Arg	Leu	Lys	Asn	Ser	Gln	Leu	Glu			
			260					265					270					
Lys	Thr	Tyr	Gly	Glu	Met	Ala	Lys	Ile	Val	Asp	Val	Pro	Thr	Lys	Gln			
	275						280					285						
Leu	Arg	Ala	Ala	Asn	Pro	Ile	Asp	Ser	Met	Leu	Cys	His	Phe	Cys	His			
	290					295					300							
Asn	Val	Ser	Phe	Pro	Cys	Thr	Arg	Asn	Gly	Cys	Val	Asp	Met	Glu	His			
305					310					315					320			
Phe	Lys	Val	Ile	Lys	Thr	His	Gln	Ile	Glu	Asp	Glu	Arg	Glu	Arg	Arg			
				325					330					335				
Glu	Lys	Lys	Leu	Tyr	Phe	Gly	Tyr	Ser	Leu	Leu	Gly	Ala	His	Pro	Ile			
			340					345					350					
Leu	Asn	Gln	Thr	Ile	Gly	Arg	Met	Gln	Arg	Ala	Thr	Glu	Gly	Arg	Lys			
	355						360					365						
Glu	Glu	Leu	Phe	Ala	Leu	Tyr	Ser	Ala	His	Asp	Val	Thr	Leu	Ser	Pro			
	370					375					380							
Val	Leu	Ser	Ala	Leu	Gly	Leu	Ser	Glu	Ala	Arg	Phe	Pro	Arg	Phe	Ala			
385					390					395					400			
Ala	Arg	Leu	Ile	Phe	Glu	Leu	Trp	Gln	Asp	Arg	Glu	Lys	Pro	Ser	Glu			
				405					410					415				
His	Ser	Val	Arg	Ile	Leu	Tyr	Asn	Gly	Val	Asp	Val	Thr	Phe	His	Thr			
			420					425					430					
Ser	Phe	Cys	Gln	Asp	His	His	Lys	Arg	Ser	Pro	Lys	Pro	Met	Cys	Pro			
		435					440					445						
Leu	Glu	Asn	Leu	Val	Arg	Phe	Val	Lys	Arg	Asp	Met	Phe	Val	Ala	Leu			
	450					455					460							

Gly Gly Ser Gly Thr Asn Tyr Tyr Asp Ala Cys His Arg Glu Gly Phe
 465 470 475 480

<210> 2155
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 2155
 Met Phe Leu Met Leu Gly Cys Ala Leu Pro Ile Tyr Asn Lys Tyr Trp
 1 5 10 15
 Pro Leu Phe Val Leu Phe Phe Tyr Ile Leu Ser Pro Ile Pro Tyr Cys
 20 25 30
 Ile Ala Arg Arg Leu Val Asp Asp Thr Asp Ala Met Ser Asn Ala Cys
 35 40 45
 Lys Glu Leu Ala Ile Phe Leu Thr Thr Gly Ile Val Val Ser Ala Phe
 50 55 60
 Gly Leu Pro Ile Val Phe Ala Arg Ala His Leu Met Gly Arg Leu Pro
 65 70 75 80
 Phe Phe Ser Lys Met Gly Thr Ala Glu Ser Glu Gly Arg Glu Thr Leu
 85 90 95
 Thr Gln Gln Leu Pro Leu Pro Ala Ala Ala Met Arg Arg Leu Leu Pro
 100 105 110
 Ala Ser Arg Val Ser Thr Gln Pro Val Leu Arg Leu Ala Asp Ser Ala
 115 120 125
 Glu Ser Leu Leu Gly Arg Pro Ala Leu Trp Ala Leu Gly Phe Leu Leu
 130 135 140
 Cys Pro Pro Ser Gln Ala Gln
 145 150

<210> 2156
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 2156

Met	Tyr	Met	Gln	Asp	Tyr	Trp	Arg	Thr	Trp	Leu	Lys	Gly	Leu	Arg	Gly
1				5					10					15	
Phe	Phe	Phe	Val	Gly	Val	Leu	Phe	Ser	Ala	Val	Ser	Ile	Ala	Ala	Phe
			20					25					30		
Cys	Thr	Phe	Leu	Val	Leu	Ala	Ile	Thr	Arg	His	Gln	Ser	Leu	Thr	Asp
		35					40					45			
Pro	Thr	Ser	Tyr	Tyr	Leu	Ser	Ser	Val	Trp	Ser	Phe	Ile	Ser	Phe	Lys
	50					55					60				
Trp	Ala	Phe	Leu	Leu	Ser	Leu	Tyr	Ala	His	Arg	Tyr	Arg	Ala	Asp	Phe
65					70					75					80
Ala	Asp	Ile	Ser	Ile	Leu	Ser	Asp	Phe							
				85											

<210> 2157
 <211> 56
 <212> PRT
 <213> Homo sapiens

Met	Arg	Gly	His	Ile	Thr	Thr	Leu	Leu	Thr	Thr	Ser	Phe	Leu	Val	Phe
1				5					10					15	
Gly	Leu	His	Ile	Ile	Phe	Phe	Leu	Asn	Ile	Ser	Cys	Phe	Asn	Phe	Arg
			20					25					30		
Val	Phe	Ile	Leu	Phe	Glu	Thr	Arg	Pro	Glu	Asp	Ser	Arg	Leu	Tyr	Arg
		35					40					45			
Glu	Arg	Pro	Val	Leu	Pro	Arg	Tyr								
	50					55									

<210> 2158
 <211> 50
 <212> PRT
 <213> Homo sapiens

Met	Gln	Val	Lys	Asn	Ser	Ile	His	Val	Thr	Phe	Val	Ala	Arg	Ile	Leu
1				5					10					15	
Val	Arg	Val	Leu	Ile	Cys	Leu	Ser	Thr	Ser	Glu	Ala	Ile	Leu	Ala	Arg
			20					25					30		

Asn His Ile Tyr Val Val Ser Val Thr Asn Ala Ser Val Glu Val Gln
 35 40 45

Thr Ser
 50

<210> 2159
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 2159
 Met Gln Val Lys Asn Ser Ile His Val Thr Phe Val Ala Arg Ile Leu
 1 5 10 15

Val Arg Val Leu Ile Cys Leu Ser Thr Ser Glu Ala Ile Leu Ala Arg
 20 25 30

Asn His Ile Tyr Val Val Ser Val Thr Asn Ala Ser Val Glu Val Gln
 35 40 45

Thr Ser
 50

<210> 2160
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 2160
 Met Arg Leu Leu Val Leu Ser Ser Leu Leu Cys Ile Leu Leu Leu Cys
 1 5 10 15

Phe Ser Ile Phe Ser Thr Glu Gly Lys Arg Arg Pro Ala Lys Ala Trp
 20 25 30

Ser Gly Arg Arg Thr Arg Leu Cys Cys His Arg Val Pro Ser Pro Asn
 35 40 45

Ser Thr Asn Leu Lys Gly His His Val Arg Leu Cys Lys Pro Cys Lys
 50 55 60

Leu Glu Pro Glu Pro Arg Leu Trp Val Val Pro Gly Ala Leu Pro Gln
 65 70 75 80

Val

<210> 2161
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 2161
 Met Asn Ile Thr Arg Lys Leu Trp Ser Arg Thr Phe Asn Cys Ser Val
 1 5 10 15
 Pro Cys Ser Asp Thr Val Pro Val Ile Ala Val Ser Val Phe Ile Leu
 20 25 30
 Phe Leu Pro Val Val Phe Tyr Leu Ser Ser Phe Leu His Ser Glu Gln
 35 40 45
 Lys Lys Arg Lys Leu Ile Leu Pro Lys Arg Leu Lys Ser Ser Thr Ser
 50 55 60
 Phe Ala Asn Ile Gln Glu Asn Ser Asn
 65 70

<210> 2162
 <211> 193
 <212> PRT
 <213> Homo sapiens

<400> 2162
 Met Glu Pro Gly Pro Thr Ala Ala Gln Arg Arg Cys Ser Leu Pro Pro
 1 5 10 15
 Trp Leu Pro Leu Gly Leu Leu Leu Trp Ser Gly Leu Ala Leu Gly Ala
 20 25 30
 Leu Pro Phe Gly Ser Ser Pro His Arg Val Phe His Asp Leu Leu Ser
 35 40 45
 Glu Gln Gln Leu Leu Glu Val Glu Asp Leu Ser Leu Ser Leu Leu Gln
 50 55 60
 Gly Gly Gly Leu Gly Pro Leu Ser Leu Pro Pro Asp Leu Pro Asp Leu
 65 70 75 80
 Asp Pro Glu Cys Arg Glu Leu Leu Leu Asp Phe Ala Asn Ser Ser Ala
 85 90 95
 Glu Leu Thr Gly Cys Leu Val Arg Ser Ala Arg Pro Val Arg Leu Cys
 100 105 110

Gln	Thr	Cys	Tyr	Pro	Leu	Phe	Gln	Gln	Val	Val	Ser	Lys	Met	Asp	Asn
		115					120					125			
Ile	Ser	Arg	Ala	Ala	Gly	Asn	Thr	Ser	Glu	Ser	Gln	Ser	Cys	Ala	Arg
	130					135					140				
Ser	Leu	Leu	Met	Ala	Asp	Arg	Met	Gln	Ile	Val	Val	Ile	Leu	Ser	Glu
145					150					155					160
Phe	Phe	Asn	Thr	Thr	Trp	Gln	Glu	Ala	Asn	Cys	Ala	Asn	Cys	Leu	Thr
				165					170					175	
Asn	Asn	Ser	Glu	Glu	Leu	Ser	Asn	Ser	Thr	Val	Tyr	Phe	Leu	Lys	Ser
			180					185					190		
Ile															

<210> 2163
 <211> 134
 <212> PRT
 <213> Homo sapiens

<400> 2163															
Met	Ala	Pro	Glu	Val	Met	Glu	Gln	Val	Arg	Gly	Tyr	Asp	Phe	Lys	Ala
1				5					10					15	
Asp	Ile	Trp	Ser	Phe	Gly	Ile	Thr	Ala	Ile	Glu	Leu	Ala	Thr	Gly	Ala
			20					25					30		
Ala	Pro	Tyr	His	Lys	Tyr	Pro	Pro	Met	Lys	Val	Leu	Met	Leu	Thr	Leu
		35					40					45			
Gln	Asn	Asp	Pro	Pro	Ser	Leu	Glu	Thr	Gly	Val	Gln	Asp	Lys	Glu	Met
	50					55					60				
Leu	Lys	Lys	Tyr	Gly	Lys	Ser	Phe	Arg	Lys	Met	Ile	Ser	Leu	Cys	Leu
65					70					75					80
Gln	Lys	Asp	Pro	Glu	Lys	Arg	Pro	Thr	Ala	Ala	Glu	Leu	Leu	Arg	His
				85					90					95	
Lys	Phe	Phe	Gln	Lys	Ala	Lys	Asn	Lys	Glu	Phe	Leu	Gln	Glu	Lys	Thr
			100					105					110		
Leu	Gln	Arg	Ala	Pro	Thr	Ile	Ser	Glu	Arg	Ala	Lys	Lys	Val	Arg	Arg
		115					120					125			
Val	Pro	Gly	Ser	Cys	Pro										
		130													

<210> 2164
 <211> 334
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2164
 Met Glu Pro Gly Pro Thr Ala Ala Gln Arg Arg Cys Ser Leu Pro Pro
 1 5 10 15
 Trp Leu Pro Leu Gly Leu Leu Leu Trp Ser Gly Leu Ala Leu Gly Ala
 20 25 30
 Leu Pro Phe Gly Ser Ser Pro His Arg Val Phe His Asp Leu Leu Ser
 35 40 45
 Glu Gln Gln Leu Leu Glu Val Glu Asp Leu Ser Leu Ser Leu Leu Gln
 50 55 60
 Gly Gly Gly Leu Gly Pro Leu Ser Leu Pro Pro Asp Leu Pro Asp Leu
 65 70 75 80
 Asp Pro Glu Cys Arg Glu Leu Leu Leu Asp Phe Ala Asn Ser Ser Ala
 85 90 95
 Glu Leu Thr Gly Cys Leu Val Arg Xaa Ala Arg Pro Val Arg Leu Cys
 100 105 110
 Gln Thr Cys Tyr Pro Leu Phe Gln Gln Val Val Ser Lys Met Asp Asn
 115 120 125
 Ile Ser Arg Ala Ala Gly Asn Thr Ser Glu Ser Gln Ser Cys Ala Arg
 130 135 140
 Ser Leu Leu Met Ala Asp Arg Met Gln Ile Val Val Ile Leu Ser Glu
 145 150 155 160
 Phe Phe Asn Thr Thr Trp Gln Glu Ala Asn Cys Ala Asn Cys Leu Thr
 165 170 175
 Asn Asn Ser Glu Glu Leu Ser Asn Ser Thr Val Tyr Phe Leu Asn Leu
 180 185 190
 Phe Asn His Thr Leu Thr Cys Phe Glu His Asn Leu Gln Gly Asn Ala
 195 200 205

His Ser Leu Leu Gln Thr Lys Asn Tyr Ser Glu Val Cys Lys Asn Cys
 210 215 220
 Arg Glu Ala Tyr Lys Thr Leu Ser Ser Leu Tyr Ser Glu Met Gln Lys
 225 230 235 240
 Met Asn Glu Leu Glu Asn Lys Ala Glu Pro Gly Thr His Leu Cys Ile
 245 250 255
 Asp Val Glu Asp Ala Met Asn Ile Thr Arg Lys Leu Trp Ser Arg Thr
 260 265 270
 Phe Asn Cys Ser Val Pro Cys Ser Asp Thr Val Pro Val Ile Ala Val
 275 280 285
 Ser Val Phe Ile Leu Phe Leu Pro Val Val Phe Tyr Leu Ser Ser Phe
 290 295 300
 Leu His Ser Glu Gln Lys Lys Arg Lys Leu Ile Leu Pro Lys Arg Leu
 305 310 315 320
 Lys Ser Ser Thr Ser Phe Ala Asn Ile Gln Glu Asn Ser Asn
 325 330

<210> 2165
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 2165
 Met Val Leu Val Phe Ala Tyr Leu Cys Val Leu Leu Ile Val Cys Trp
 1 5 10 15
 Val Thr Ser Lys Thr Ser Leu Ala Leu Lys Tyr Thr Val Tyr Lys Asn
 20 25 30
 Phe Lys Arg Leu Ile Trp Asn Lys Ser Ile Leu Ile Ile Thr Leu Thr
 35 40 45

Pro

<210> 2166
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 2166

Met	Ser	Leu	Ser	Ile	Leu	Val	Ala	Leu	Ser	Leu	Gln	Ile	Leu	Phe	Leu
1				5					10					15	
Phe	Thr	Ile	Leu	Lys	Cys	Met	Leu	Ala	Lys	Trp	Val	Asp	Phe	Gln	Ile
			20					25					30		
Lys	Cys	Ser	Phe	His	Lys	Ser	Phe	Val	Met	Val	Phe	Trp	Ser	Glu	Met
		35					40					45			
His	Phe	His	Phe	Ser	Phe	Leu	Phe	Leu	Leu	Ser	Ile	Leu	Ser	Phe	Phe
	50					55					60				
Pro	Asn	Lys	Ile	Tyr	Pro	Gly	Asp	Tyr	Ile	Cys					
65					70					75					

<210> 2167

<211> 86

<212> PRT

<213> Homo sapiens

<400> 2167

Met	Leu	Trp	Ala	Leu	Asp	Ser	Leu	Leu	Phe	Phe	Ser	His	Ala	Gln	Leu
1				5					10					15	
Val	Pro	Leu	Gly	Gly	Gly	Glu	Glu	Trp	Gly	Ser	Pro	Gly	Leu	Gly	Leu
			20					25					30		
His	Ser	Ile	Ile	Pro	Ser	Gln	Ala	Ser	Gln	Gly	Val	Ser	Ala	Pro	Ala
		35					40					45			
Gln	Asp	Leu	Ala	Gly	Arg	Ala	Pro	Tyr	Arg	Glu	Ser	Leu	Gly	Arg	Leu
	50					55					60				
Ser	Arg	Leu	Met	Ala	Gly	Pro	Ala	Arg	Gly	Val	Leu	Arg	Pro	Ala	Leu
65					70					75				80	
Arg	Thr	Cys	Pro	Leu	Phe										
				85											

<210> 2168

<211> 152

<212> PRT

<213> Homo sapiens

<400> 2168

Met	Arg	Arg	Leu	Leu	Leu	Val	Thr	Ser	Leu	Val	Val	Val	Leu	Leu	Trp
1				5					10					15	

Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val
 20 25 30
 Lys His Trp Pro Ser Glu Gln Asp Pro Glu Asn Arg Ala Trp Gly Ala
 35 40 45
 Arg Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe
 50 55 60
 Pro Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly
 65 70 75 80
 Gln Gly Arg Gly Pro Ile Leu Pro Gly Thr Lys Ala Trp Met Glu Thr
 85 90 95
 Glu Asp Thr Leu Gly Arg Val Leu Ser Pro Glu Pro Asp His Asp Ser
 100 105 110
 Leu Tyr His Pro Pro Pro Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg
 115 120 125
 Leu Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp
 130 135 140
 Gln Asp His Ile Tyr His Pro Gln
 145 150

<210> 2169
 <211> 142
 <212> PRT
 <213> Homo sapiens

<400> 2169
 Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp
 1 5 10 15
 Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val
 20 25 30
 Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
 35 40 45
 Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro
 50 55 60
 Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Thr
 65 70 75 80
 Lys Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg Val Leu Ser Pro

				85						90						95			
Glu	Pro	Asp	His	Asp	Ser	Leu	Tyr	His	Pro	Pro	Pro	Glu	Glu	Asp	Gln				
			100					105						110					
Gly	Glu	Glu	Arg	Pro	Arg	Leu	Trp	Val	Met	Pro	Asn	His	Gln	Val	Leu				
		115					120					125							
Leu	Gly	Pro	Glu	Glu	Asp	Gln	Asp	His	Ile	Tyr	His	Pro	Gln						
	130					135					140								

<210> 2170

<211> 453

<212> PRT

<213> Homo sapiens

<400> 2170

Met	Lys	Leu	Leu	Val	Ile	Leu	Ile	Phe	Ser	Gly	Leu	Ile	Thr	Cys	Cys				
1				5					10					15					
Gly	Gly	Asn	Ser	Ser	His	Ser	Leu	Pro	Ser	Lys	Leu	Leu	Leu	Val	Ser				
			20					25						30					
Phe	Asp	Gly	Phe	Arg	Ala	Asp	Tyr	Leu	Gln	Asn	Tyr	Glu	Phe	Pro	His				
		35					40					45							
Leu	Gln	Asn	Phe	Ile	Lys	Glu	Gly	Val	Leu	Val	Glu	His	Val	Lys	Asn				
	50					55					60								
Val	Phe	Ile	Thr	Lys	Thr	Phe	Pro	Asn	His	Tyr	Ser	Ile	Val	Thr	Gly				
	65				70					75					80				
Leu	Tyr	Glu	Glu	Ser	His	Gly	Ile	Val	Ala	Asn	Ser	Met	Tyr	Asp	Val				
				85					90					95					
Ile	Thr	Lys	Lys	His	Phe	Ser	Asp	Phe	Asp	Asp	Lys	Asp	Pro	Phe	Trp				
			100					105					110						
Trp	Asn	Glu	Ala	Val	Pro	Ile	Trp	Val	Thr	Asn	Gln	Leu	Gln	Glu	Asn				
	115						120					125							
Arg	Ser	Ser	Ala	Ala	Ala	Met	Trp	Pro	Gly	Thr	Asp	Val	Pro	Ile	His				
	130					135					140								
Asn	Thr	Thr	Pro	Ser	Tyr	Phe	Met	Asn	Tyr	Ser	Ser	Ser	Val	Ser	Phe				
	145				150					155					160				
Glu	Glu	Arg	Leu	Asn	Asn	Ile	Thr	Met	Trp	Leu	Met	Asn	Ser	Asn	Pro				
				165					170					175					

Pro Val Thr Phe Ala Thr Leu Tyr Trp Glu Glu Pro Asp Ala Ser Gly
 180 185 190
 His Lys Tyr Gly Pro Glu Asp Lys Glu Asn Met Tyr Arg Val Leu Lys
 195 200 205
 Glu Val Asp Asp Leu Ile Gly Glu Leu Val His Lys Leu Lys Val Leu
 210 215 220
 Gly Leu Trp Glu Asn Leu Asn Val Ile Ile Thr Ser Asp His Gly Met
 225 230 235 240
 Thr Gln Cys Ser Lys Asp Lys Leu Ile Asn Leu Asp Leu Cys Ile Asp
 245 250 255
 Arg Ser Ser Tyr Thr Leu Val Asp Leu Thr Pro Val Ala Ala Val Leu
 260 265 270
 Pro Lys Ile Asn Thr Thr Glu Val Tyr Asn Lys Leu Lys Val Cys Asn
 275 280 285
 Pro His Met Asn Val Tyr Leu Lys Glu Asp Ile Pro Ala Arg Phe His
 290 295 300
 Tyr Gln His Asn Asp Arg Ile Gln Pro Ile Ile Leu Val Ala Asp Glu
 305 310 315 320
 Gly Trp Thr Ile Val Leu Asn Lys Ser Leu Pro Lys Leu Gly Asp His
 325 330 335
 Gly Tyr Asp Asn Ser Leu Ser Ser Met His Pro Phe Leu Ala Ala His
 340 345 350
 Gly Pro Ala Phe His Lys Gly Tyr Lys His Ser Thr Ile Asn Ser Val
 355 360 365
 Asp Ile Tyr Pro Met Met Cys His Ile Leu Gly Leu Lys Pro His Pro
 370 375 380
 Asn Asn Gly Thr Phe Gly His Thr Lys Cys Leu Leu Val Asp Gln Trp
 385 390 395 400
 Cys Ile Asn Leu Pro Glu Ala Ile Gly Ile Val Ile Gly Ala Leu Leu
 405 410 415
 Val Leu Thr Thr Leu Thr Cys Leu Ile Ile Ile Met Gln Asn Arg Leu
 420 425 430
 Ser Val Pro Arg Pro Phe Ser Arg Leu Gln Leu Gln Glu Asp Asp Asp
 435 440 445
 Asp Pro Leu Ile Glu

450

<210> 2171

<211> 287

<212> PRT

<213> Homo sapiens

<400> 2171

Met Gly Ala Leu Arg Pro Thr Leu Leu Pro Pro Ser Leu Pro Leu Leu
1 5 10 15

Leu Leu Leu Met Leu Gly Met Gly Cys Trp Ala Arg Glu Val Leu Val
20 25 30

Pro Glu Gly Pro Leu Tyr Arg Val Ala Gly Thr Ala Val Ser Ile Ser
35 40 45

Cys Asn Val Thr Gly Tyr Glu Gly Pro Ala Gln Gln Asn Phe Glu Trp
50 55 60

Phe Leu Tyr Arg Pro Glu Ala Pro Asp Thr Ala Leu Gly Ile Val Ser
65 70 75 80

Thr Lys Asp Thr Gln Phe Ser Tyr Ala Val Phe Lys Ser Arg Val Val
85 90 95

Ala Gly Glu Val Gln Val Gln Arg Leu Gln Gly Asp Ala Val Val Leu
100 105 110

Lys Ile Ala Arg Leu Gln Ala Gln Asp Ala Gly Ile Tyr Glu Cys His
115 120 125

Thr Pro Ser Thr Asp Thr Arg Tyr Leu Gly Ser Tyr Ser Gly Lys Val
130 135 140

Glu Leu Arg Val Leu Pro Asp Val Leu Gln Val Ser Ala Ala Pro Pro
145 150 155 160

Gly Pro Arg Gly Arg Gln Ala Pro Thr Ser Pro Pro Arg Met Thr Val
165 170 175

His Glu Gly Gln Glu Leu Ala Leu Gly Cys Leu Ala Arg Thr Ser Thr
180 185 190

Gln Lys His Thr His Leu Ala Val Ser Phe Gly Arg Ser Val Pro Glu
195 200 205

Ala Pro Val Gly Arg Ser Thr Leu Gln Glu Val Val Gly Ile Arg Ser
210 215 220

Asp Leu Ala Val Glu Ala Gly Ala Pro Tyr Ala Glu Arg Leu Ala Ala
 225 230 235 240
 Gly Glu Leu Arg Leu Gly Lys Glu Gly Thr Asp Arg Tyr Arg Met Val
 245 250 255
 Val Gly Gly Ala Gln Ala Gly Asp Ala Gly Thr Tyr His Cys Thr Ala
 260 265 270
 Ala Glu Trp Ile Gln Asp Pro Asp Gly Ser Trp Ala Gln Ile Ala
 275 280 285

<210> 2172
 <211> 613
 <212> PRT
 <213> Homo sapiens

<400> 2172
 Met Gly Ala Leu Arg Pro Thr Leu Leu Pro Pro Ser Leu Pro Leu Leu
 1 5 10 15
 Leu Leu Leu Met Leu Gly Met Gly Cys Trp Ala Arg Glu Val Leu Val
 20 25 30
 Pro Glu Gly Pro Leu Tyr Arg Val Ala Gly Thr Ala Val Ser Ile Ser
 35 40 45
 Cys Asn Val Thr Gly Tyr Glu Gly Pro Ala Gln Gln Asn Phe Glu Trp
 50 55 60
 Phe Leu Tyr Arg Pro Glu Ala Pro Asp Thr Ala Leu Gly Ile Val Ser
 65 70 75 80
 Thr Lys Asp Thr Gln Phe Ser Tyr Ala Val Phe Lys Ser Arg Val Val
 85 90 95
 Ala Gly Glu Val Gln Val Gln Arg Leu Gln Gly Asp Ala Val Val Leu
 100 105 110
 Lys Ile Ala Arg Leu Gln Ala Gln Asp Ala Gly Ile Tyr Glu Cys His
 115 120 125
 Thr Pro Ser Thr Asp Thr Arg Tyr Leu Gly Ser Tyr Ser Gly Lys Val
 130 135 140
 Glu Leu Arg Val Leu Pro Asp Val Leu Gln Val Ser Ala Ala Pro Pro
 145 150 155 160
 Gly Pro Arg Gly Arg Gln Ala Pro Thr Ser Pro Pro Arg Met Thr Val
 165 170 175

His Glu Gly Gln Glu Leu Ala Leu Gly Cys Leu Ala Arg Thr Ser Thr
 180 185 190
 Gln Lys His Thr His Leu Ala Val Ser Phe Gly Arg Ser Val Pro Glu
 195 200 205
 Ala Pro Val Gly Arg Ser Thr Leu Gln Glu Val Val Gly Ile Arg Ser
 210 215 220
 Asp Leu Ala Val Glu Ala Gly Ala Pro Tyr Ala Glu Arg Leu Ala Ala
 225 230 235 240
 Gly Glu Leu Arg Leu Gly Lys Glu Gly Thr Asp Arg Tyr Arg Met Val
 245 250 255
 Val Gly Gly Ala Gln Ala Gly Asp Ala Gly Thr Tyr His Cys Thr Ala
 260 265 270
 Ala Glu Trp Ile Gln Asp Pro Asp Gly Ser Trp Ala Gln Ile Ala Glu
 275 280 285
 Lys Arg Ala Val Leu Ala His Val Asp Val Gln Thr Leu Ser Ser Gln
 290 295 300
 Leu Ala Val Thr Val Gly Pro Gly Glu Arg Arg Ile Gly Pro Gly Glu
 305 310 315 320
 Pro Leu Glu Leu Leu Cys Asn Val Ser Gly Ala Leu Pro Pro Ala Gly
 325 330 335
 Arg His Ala Ala Tyr Ser Val Gly Trp Glu Met Ala Pro Ala Gly Ala
 340 345 350
 Pro Gly Pro Gly Arg Leu Val Ala Gln Leu Asp Thr Glu Gly Val Gly
 355 360 365
 Ser Leu Gly Pro Gly Tyr Glu Gly Arg His Ile Ala Met Glu Lys Val
 370 375 380
 Ala Ser Arg Thr Tyr Arg Leu Arg Leu Glu Ala Ala Arg Pro Gly Asp
 385 390 395 400
 Ala Gly Thr Tyr Arg Cys Leu Ala Lys Ala Tyr Val Arg Gly Ser Gly
 405 410 415
 Thr Arg Leu Arg Glu Ala Ala Ser Ala Arg Ser Arg Pro Leu Pro Val
 420 425 430
 His Val Arg Glu Glu Gly Val Val Leu Glu Ala Val Ala Trp Leu Ala
 435 440 445

Gly Gly Thr Val Tyr Arg Gly Glu Thr Ala Ser Leu Leu Cys Asn Ile
 450 455 460
 Ser Val Arg Gly Gly Pro Pro Gly Leu Arg Leu Ala Ala Ser Trp Trp
 465 470 475 480
 Val Glu Arg Pro Glu Asp Gly Glu Leu Ser Ser Val Pro Ala Gln Leu
 485 490 495
 Val Gly Gly Val Gly Gln Asp Gly Val Ala Glu Leu Gly Val Arg Pro
 500 505 510
 Gly Gly Gly Pro Val Ser Val Glu Leu Val Gly Pro Arg Ser His Arg
 515 520 525
 Leu Arg Leu His Ser Leu Gly Pro Glu Asp Glu Gly Val Tyr His Cys
 530 535 540
 Ala Pro Ser Ala Trp Val Gln His Ala Asp Tyr Ser Trp Tyr Gln Ala
 545 550 555 560
 Gly Ser Ala Arg Ser Gly Pro Val Thr Val Tyr Pro Tyr Met His Ala
 565 570 575
 Leu Asp Thr Leu Phe Val Pro Leu Leu Val Gly Thr Gly Val Ala Leu
 580 585 590
 Val Thr Gly Ala Thr Val Leu Gly Thr Ile Thr Cys Cys Phe Met Lys
 595 600 605
 Arg Leu Arg Lys Arg
 610

<210> 2173
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 2173
 Met Trp Gly Trp Gly Ser Leu Val Ser Ala Arg Gly Gly Trp Gly Val
 1 5 10 15
 Phe Ile Tyr Leu Tyr Met Gly Leu Tyr Ile Val Leu Trp Gly Met Gly
 20 25 30
 Glu Pro Ala Gly Gly Glu Asn Pro Pro Leu Ser Pro His Pro Pro Gly
 35 40 45
 Arg Ala Asn Val Lys Leu Leu Ile Phe Val Leu Tyr Ile Phe Tyr Ile
 50 55 60

Asn	Ile	Ser	Ile	Phe	Phe	Leu	Gln	Asn	Gln	Phe	Ile	Asn	Gly	Arg	Gly
65						70				75					80
Val	Trp	Gly	Gly	His	Met	Glu	Leu	Pro	Leu	Trp	Gly	Gly	Pro	Leu	His
				85					90					95	
Tyr	Pro	Thr	Tyr	Arg	Pro	Phe	Pro	His	Pro	Pro	Pro	His	Ser	Pro	Pro
			100					105					110		
Pro	Gly	Cys	Asp	Cys	Cys	Lys	Met	Gly	Val						
		115					120								

<210> 2174

<211> 613

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (507)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2174

Met	Gly	Ala	Leu	Arg	Pro	Thr	Leu	Leu	Pro	Pro	Ser	Leu	Pro	Leu	Leu
1				5					10					15	
Leu	Leu	Leu	Met	Leu	Gly	Met	Gly	Cys	Trp	Ala	Arg	Glu	Val	Leu	Val
			20					25					30		
Pro	Glu	Gly	Pro	Leu	Tyr	Arg	Val	Ala	Gly	Thr	Ala	Val	Ser	Ile	Ser
		35					40					45			
Cys	Asn	Val	Thr	Gly	Tyr	Glu	Gly	Pro	Ala	Gln	Gln	Asn	Phe	Glu	Trp
	50					55					60				
Phe	Leu	Tyr	Arg	Pro	Glu	Ala	Pro	Asp	Thr	Ala	Leu	Gly	Ile	Val	Ser
65					70					75					80
Thr	Lys	Asp	Thr	Gln	Phe	Ser	Tyr	Ala	Val	Phe	Lys	Ser	Arg	Val	Val
				85					90					95	
Ala	Gly	Glu	Val	Gln	Val	Gln	Arg	Leu	Gln	Gly	Asp	Ala	Val	Val	Leu
			100					105					110		
Lys	Ile	Ala	Arg	Leu	Gln	Ala	Gln	Asp	Ala	Gly	Ile	Tyr	Glu	Cys	His
		115					120					125			
Thr	Pro	Ser	Thr	Asp	Thr	Arg	Tyr	Leu	Gly	Ser	Tyr	Ser	Gly	Lys	Val
		130				135					140				

Glu	Leu	Arg	Val	Leu	Pro	Asp	Val	Leu	Gln	Val	Ser	Ala	Ala	Pro	Pro	145	150	155	160
Gly	Pro	Arg	Gly	Arg	Gln	Ala	Pro	Thr	Ser	Pro	Pro	Arg	Met	Thr	Val	165	170	175	
His	Glu	Gly	Gln	Glu	Leu	Ala	Leu	Gly	Cys	Leu	Ala	Arg	Thr	Ser	Thr	180	185	190	
Gln	Lys	His	Thr	His	Leu	Ala	Val	Ser	Phe	Gly	Arg	Ser	Val	Pro	Glu	195	200	205	
Ala	Pro	Val	Gly	Arg	Ser	Thr	Leu	Gln	Glu	Val	Val	Gly	Ile	Arg	Ser	210	215	220	
Asp	Leu	Ala	Val	Glu	Ala	Gly	Ala	Pro	Tyr	Ala	Glu	Arg	Leu	Ala	Ala	225	230	235	240
Gly	Glu	Leu	Arg	Leu	Gly	Lys	Glu	Gly	Thr	Asp	Arg	Tyr	Arg	Met	Val	245	250	255	
Val	Gly	Gly	Ala	Gln	Ala	Gly	Asp	Ala	Gly	Thr	Tyr	His	Cys	Thr	Ala	260	265	270	
Ala	Glu	Trp	Ile	Gln	Asp	Pro	Asp	Gly	Ser	Trp	Ala	Gln	Ile	Ala	Glu	275	280	285	
Lys	Arg	Ala	Val	Leu	Ala	His	Val	Asp	Val	Gln	Thr	Leu	Ser	Ser	Gln	290	295	300	
Leu	Ala	Val	Thr	Val	Gly	Pro	Gly	Glu	Arg	Arg	Ile	Gly	Pro	Gly	Glu	305	310	315	320
Pro	Leu	Glu	Leu	Leu	Cys	Asn	Val	Ser	Gly	Ala	Leu	Pro	Pro	Ala	Gly	325	330	335	
Arg	His	Ala	Ala	Tyr	Ser	Val	Gly	Trp	Glu	Met	Ala	Pro	Ala	Gly	Ala	340	345	350	
Pro	Gly	Pro	Gly	Arg	Leu	Val	Ala	Gln	Leu	Asp	Thr	Glu	Gly	Val	Gly	355	360	365	
Ser	Leu	Gly	Pro	Gly	Tyr	Glu	Gly	Arg	His	Ile	Ala	Met	Glu	Lys	Val	370	375	380	
Ala	Ser	Arg	Thr	Tyr	Arg	Leu	Arg	Leu	Glu	Ala	Ala	Arg	Pro	Gly	Asp	385	390	395	400
Ala	Gly	Thr	Tyr	Arg	Cys	Leu	Ala	Lys	Ala	Tyr	Val	Arg	Gly	Ser	Gly	405	410	415	

Thr Arg Leu Arg Glu Ala Ala Ser Ala Arg Ser Arg Pro Leu Pro Val
 420 425 430
 His Val Arg Glu Glu Gly Val Val Leu Glu Ala Val Ala Trp Leu Ala
 435 440 445
 Gly Gly Thr Val Tyr Arg Gly Glu Thr Ala Ser Leu Leu Cys Asn Ile
 450 455 460
 Ser Val Arg Gly Gly Pro Pro Gly Leu Arg Leu Ala Ala Ser Trp Trp
 465 470 475 480
 Val Glu Arg Pro Glu Asp Gly Glu Leu Ser Ser Val Pro Ala Gln Leu
 485 490 495
 Val Gly Gly Val Gly Gln Asp Gly Val Ala Xaa Leu Gly Val Arg Pro
 500 505 510
 Gly Gly Gly Pro Val Ser Val Glu Leu Val Gly Pro Arg Ser His Arg
 515 520 525
 Leu Arg Leu His Ser Leu Gly Pro Glu Asp Glu Gly Val Tyr His Cys
 530 535 540
 Ala Pro Ser Ala Trp Val Gln His Ala Asp Tyr Ser Trp Tyr Gln Ala
 545 550 555 560
 Gly Ser Ala Arg Ser Gly Pro Val Thr Val Tyr Pro Tyr Met His Ala
 565 570 575
 Leu Asp Thr Leu Phe Val Pro Leu Leu Val Gly Thr Gly Val Ala Leu
 580 585 590
 Val Thr Gly Ala Thr Val Leu Gly Thr Ile Thr Cys Cys Phe Met Lys
 595 600 605
 Arg Leu Arg Lys Arg
 610

<210> 2175

<211> 60

<212> PRT

<213> Homo sapiens

<400> 2175

Met Ala Trp Ala Val Thr Leu Ile Leu Ser Leu Ser Arg Ala Val Arg
 1 5 10 15

Thr Gln Glu Val Pro Met Ala Leu Gln Ala His Ser Gly Ile Gln Leu
 20 25 30

Ala Ser Arg Val Gly Leu Pro Gly Pro Trp Pro Glu Cys Ser Thr Leu
35 40 45

Ser Ser Arg Cys His Leu Ser Met Asp Ser Lys Val
50 55 60

<210> 2176

<211> 396

<212> PRT

<213> Homo sapiens

<400> 2176

Met Trp Trp Leu Leu Leu Trp Gly Val Leu Gln Ala Cys Pro Thr Arg
1 5 10 15

Gly Ser Val Leu Leu Ala Gln Glu Leu Pro Gln Gln Leu Thr Ser Pro
20 25 30

Gly Tyr Pro Glu Pro Tyr Gly Lys Gly Gln Glu Ser Ser Thr Asp Ile
35 40 45

Lys Ala Pro Glu Gly Phe Ala Val Arg Leu Val Phe Gln Asp Phe Asp
50 55 60

Leu Glu Pro Ser Gln Asp Cys Ala Gly Asp Ser Val Thr Ile Ser Phe
65 70 75 80

Val Gly Ser Asp Pro Ser Gln Phe Cys Gly Gln Gln Gly Ser Pro Leu
85 90 95

Gly Arg Pro Pro Gly Gln Arg Glu Phe Val Ser Ser Gly Arg Ser Leu
100 105 110

Arg Leu Thr Phe Arg Thr Gln Pro Ser Ser Glu Asn Lys Thr Ala His
115 120 125

Leu His Lys Gly Phe Leu Ala Leu Tyr Gln Thr Val Ala Val Asn Tyr
130 135 140

Ser Gln Pro Ile Ser Glu Ala Ser Arg Gly Ser Glu Ala Ile Asn Ala
145 150 155 160

Pro Gly Asp Asn Pro Ala Lys Val Gln Asn His Cys Gln Glu Pro Tyr
165 170 175

Tyr Gln Ala Ala Ala Ala Gly Ala Leu Thr Cys Ala Thr Pro Gly Thr
180 185 190

Trp Lys Asp Arg Gln Asp Gly Glu Glu Val Leu Gln Cys Met Pro Val

195		200		205													
Cys	Gly	Arg	Pro	Val	Thr	Pro	Ile	Ala	Gln	Asn	Gln	Thr	Thr	Leu	Gly		
210						215					220						
Ser	Ser	Arg	Ala	Lys	Leu	Gly	Asn	Phe	Pro	Trp	Gln	Ala	Phe	Thr	Ser		
225					230					235					240		
Ile	His	Gly	Arg	Gly	Gly	Gly	Ala	Leu	Leu	Gly	Asp	Arg	Trp	Ile	Leu		
				245					250					255			
Thr	Ala	Ala	His	Thr	Ile	Tyr	Pro	Lys	Asp	Ser	Val	Ser	Leu	Arg	Lys		
			260					265					270				
Asn	Gln	Ser	Val	Asn	Val	Phe	Leu	Gly	His	Thr	Ala	Ile	Asp	Glu	Met		
		275					280					285					
Leu	Lys	Leu	Gly	Asn	His	Pro	Val	His	Arg	Val	Val	Val	His	Pro	Asp		
290						295					300						
Tyr	Arg	Gln	Asn	Glu	Ser	His	Asn	Phe	Ser	Gly	Asp	Ile	Ala	Leu	Leu		
305					310					315					320		
Glu	Leu	Gln	His	Ser	Ile	Pro	Leu	Gly	Pro	Asn	Val	Leu	Pro	Val	Cys		
				325					330					335			
Leu	Pro	Asp	Asn	Glu	Thr	Leu	Tyr	Arg	Ser	Gly	Leu	Leu	Gly	Tyr	Val		
			340					345					350				
Ser	Gly	Phe	Gly	Met	Glu	Met	Gly	Trp	Leu	Thr	Thr	Glu	Leu	Lys	Tyr		
		355					360					365					
Ser	Arg	Leu	Pro	Val	Ala	Pro	Arg	Glu	Ala	Cys	Asn	Ala	Trp	Leu	Gln		
	370					375					380						
Lys	Arg	Gln	Arg	Pro	Glu	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys		
385					390						395						

<210> 2177

<211> 172

<212> PRT

<213> Homo sapiens

<400> 2177

Gly	Thr	Arg	Thr	Glu	Arg	Asp	Glu	Leu	Leu	Lys	Asp	Leu	Gln	Gln	Ser
1				5				10					15		

Ile	Ala	Arg	Glu	Pro	Ser	Ala	Pro	Ser	Ile	Pro	Thr	Pro	Ala	Tyr	Gln
			20					25					30		

Ser Leu Pro Ala Gly Gly His Ala Pro Thr Pro Pro Thr Pro Ala Pro
 35 40 45
 Arg Thr Met Pro Pro Thr Lys Pro Gln Pro Pro Ala Arg Pro Pro Pro
 50 55 60
 Pro Val Leu Pro Ala Asn Arg Ala Pro Ser Ala Thr Ala Pro Ser Pro
 65 70 75 80
 Val Gly Ala Gly Thr Ala Ala Pro Ala Pro Ser Gln Thr Pro Gly Ser
 85 90 95
 Ala Pro Pro Pro Gln Ala Gln Gly Pro Pro Tyr Pro Thr Tyr Pro Gly
 100 105 110
 Tyr Pro Gly Tyr Cys Gln Met Pro Met Pro Met Gly Tyr Asn Pro Tyr
 115 120 125
 Ala Tyr Gly Gln Tyr Asn Met Pro Tyr Pro Pro Val Tyr His Gln Ser
 130 135 140
 Pro Gly Gln Ala Pro Tyr Pro Gly Pro Gln Gln Pro Ser Tyr Pro Phe
 145 150 155 160
 Pro Gln Pro Pro Gln Gln Ser Tyr Tyr Pro Gln Gln
 165 170

<210> 2178

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2178

Met His Gln Leu Leu Gln Leu Gln Arg Gln Glu Pro Cys Arg Leu Leu
 1 5 10 15
 Ser Pro Ser Pro Gln Pro Gly Leu His His Leu Cys Phe Gln Gln Ile
 20 25 30
 Glu Leu Leu Leu Leu Leu Leu His Leu Gln Trp Gly Leu Gly Leu Leu
 35 40 45
 Arg Gln Leu His His Lys Arg Leu Ala Gln Leu Leu Leu His Arg Arg
 50 55 60

Arg	Asp	His	Pro	Ile	Pro	Pro	Ile	Gln	Asp	Ile	Leu	Gly	Ile	Ala	Lys
65					70					75					80
Cys	Pro	Cys	Pro	Trp	Ala	Ile	Ile	Leu	Met	Arg	Met	Ala	Ser	Ile	Ile
				85					90					95	
Cys	His	Ile	His	Gln	Cys	Ile	Thr	Arg	Val	Leu	Asp	Arg	Leu	Xaa	Thr
			100					105					110		
Arg	Asp	Pro	Ser	Ser	Leu	His	Thr	Pro	Ser	Leu	Ser	Pro	His	Ser	Ser
		115					120					125			
Leu	Thr	Ile	His	Ser	Ser	Asn	Met	Ser	Ala	Gln	Gln	Leu	Ser		
	130					135					140				

<210> 2179
 <211> 868
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (194)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (309)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (550)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Ala	Thr	Phe	Ile	Ser	Val	Gln	Leu	Lys	Lys	Thr	Ser	Glu	Val	Asp
1				5					10					15	
Leu	Ala	Lys	Pro	Leu	Val	Lys	Phe	Ile	Gln	Gln	Thr	Tyr	Pro	Ser	Gly
			20					25					30		
Gly	Glu	Glu	Gln	Ala	Gln	Tyr	Cys	Arg	Ala	Ala	Glu	Glu	Leu	Ser	Lys
		35					40					45			
Leu	Arg	Arg	Ala	Ala	Val	Gly	Arg	Pro	Leu	Asp	Lys	His	Glu	Gly	Ala
	50					55					60				
Leu	Glu	Thr	Leu	Leu	Arg	Tyr	Tyr	Asp	Gln	Ile	Cys	Ser	Ile	Glu	Pro
65					70					75					80

Lys	Phe	Pro	Phe	Ser	Glu	Asn	Gln	Ile	Cys	Leu	Thr	Phe	Thr	Trp	Lys	85	90	95
Asp	Ala	Phe	Asp	Lys	Gly	Ser	Leu	Phe	Gly	Gly	Ser	Val	Lys	Leu	Ala	100	105	110
Leu	Ala	Ser	Leu	Gly	Tyr	Glu	Lys	Ser	Cys	Val	Leu	Phe	Asn	Cys	Ala	115	120	125
Ala	Leu	Ala	Ser	Gln	Ile	Ala	Ala	Glu	Gln	Asn	Leu	Asp	Asn	Asp	Glu	130	135	140
Gly	Leu	Lys	Ile	Ala	Ala	Lys	His	Tyr	Gln	Phe	Ala	Ser	Gly	Ala	Phe	145	150	155
Leu	His	Ile	Lys	Glu	Thr	Val	Leu	Ser	Ala	Leu	Ser	Arg	Glu	Pro	Thr	165	170	175
Val	Asp	Ile	Ser	Pro	Asp	Thr	Val	Gly	Thr	Leu	Ser	Leu	Ile	Met	Leu	180	185	190
Ala	Xaa	Ala	Gln	Glu	Val	Phe	Phe	Leu	Lys	Ala	Thr	Arg	Asp	Lys	Met	195	200	205
Lys	Asp	Ala	Ile	Ile	Ala	Lys	Leu	Ala	Asn	Gln	Ala	Ala	Asp	Tyr	Phe	210	215	220
Gly	Asp	Ala	Phe	Lys	Gln	Cys	Gln	Tyr	Lys	Asp	Thr	Leu	Pro	Lys	Glu	225	230	235
Val	Phe	Pro	Val	Leu	Ala	Ala	Lys	His	Cys	Ile	Met	Gln	Ala	Asn	Ala	245	250	255
Glu	Tyr	His	Gln	Ser	Ile	Leu	Ala	Lys	Gln	Gln	Lys	Lys	Phe	Gly	Glu	260	265	270
Glu	Ile	Ala	Arg	Leu	Gln	His	Ala	Ala	Glu	Leu	Ile	Lys	Thr	Val	Ala	275	280	285
Ser	Arg	Tyr	Asp	Glu	Tyr	Val	Asn	Val	Lys	Asp	Phe	Ser	Asp	Lys	Ile	290	295	300
Asn	Arg	Ala	Leu	Xaa	Ala	Ala	Lys	Lys	Asp	Asn	Asp	Phe	Ile	Tyr	His	305	310	315
Asp	Arg	Val	Pro	Asp	Leu	Lys	Asp	Leu	Asp	Pro	Ile	Gly	Lys	Ala	Thr	325	330	335
Leu	Val	Lys	Ser	Thr	Pro	Val	Asn	Val	Pro	Ile	Ser	Gln	Lys	Phe	Thr	340	345	350

Asp Leu Phe Glu Lys Met Val Pro Val Ser Val Gln Gln Ser Leu Ala
 355 360 365
 Ala Tyr Asn Gln Arg Lys Ala Asp Leu Val Asn Arg Ser Ile Ala Gln
 370 375 380
 Met Arg Glu Ala Thr Thr Leu Ala Asn Gly Val Leu Ala Ser Leu Asn
 385 390 395 400
 Leu Pro Ala Ala Ile Glu Asp Val Ser Gly Asp Thr Val Pro Gln Ser
 405 410 415
 Ile Leu Thr Lys Ser Arg Ser Val Ile Glu Gln Gly Gly Ile Gln Thr
 420 425 430
 Val Asp Gln Leu Ile Lys Glu Leu Pro Glu Leu Leu Gln Arg Asn Arg
 435 440 445
 Glu Ile Leu Asp Glu Ser Leu Arg Leu Leu Asp Glu Glu Glu Ala Thr
 450 455 460
 Asp Asn Asp Leu Arg Ala Lys Phe Lys Glu Arg Trp Gln Arg Thr Pro
 465 470 475 480
 Ser Asn Glu Leu Tyr Lys Pro Leu Arg Ala Glu Gly Thr Asn Phe Arg
 485 490 495
 Thr Val Leu Asp Lys Ala Val Gln Ala Asp Gly Gln Val Lys Glu Cys
 500 505 510
 Tyr Gln Ser His Arg Asp Thr Ile Val Leu Leu Cys Lys Pro Glu Pro
 515 520 525
 Glu Leu Asn Ala Ala Ile Pro Ser Ala Asn Pro Ala Lys Thr Met Gln
 530 535 540
 Gly Ser Glu Val Val Xaa Val Leu Lys Ser Leu Leu Ser Asn Leu Asp
 545 550 555 560
 Glu Val Lys Lys Glu Arg Glu Gly Leu Glu Asn Asp Leu Lys Ser Val
 565 570 575
 Asn Phe Asp Met Thr Ser Lys Phe Leu Thr Ala Leu Ala Gln Asp Gly
 580 585 590
 Val Ile Asn Glu Glu Ala Leu Ser Val Thr Glu Leu Asp Arg Val Tyr
 595 600 605
 Gly Gly Leu Thr Thr Lys Val Gln Glu Ser Leu Lys Lys Gln Glu Gly
 610 615 620
 Leu Leu Lys Asn Ile Gln Val Ser His Gln Glu Phe Ser Lys Met Lys

625					630					635					640
Gln	Ser	Asn	Asn	Glu	Ala	Asn	Leu	Arg	Glu	Glu	Val	Leu	Lys	Asn	Leu
				645					650					655	
Ala	Thr	Ala	Tyr	Asp	Asn	Phe	Val	Glu	Leu	Val	Ala	Asn	Leu	Lys	Glu
			660					665					670		
Gly	Thr	Lys	Phe	Tyr	Asn	Glu	Leu	Thr	Glu	Ile	Leu	Val	Arg	Phe	Gln
		675					680					685			
Asn	Lys	Cys	Ser	Asp	Ile	Val	Phe	Ala	Arg	Lys	Thr	Glu	Arg	Asp	Glu
	690					695					700				
Leu	Leu	Lys	Asp	Leu	Gln	Gln	Ser	Ile	Ala	Arg	Glu	Pro	Ser	Ala	Pro
705					710					715					720
Ser	Ile	Pro	Thr	Pro	Ala	Tyr	Gln	Ser	Leu	Pro	Ala	Gly	Gly	His	Ala
				725					730					735	
Pro	Thr	Pro	Pro	Thr	Pro	Ala	Pro	Arg	Thr	Met	Pro	Pro	Thr	Lys	Pro
			740					745					750		
Gln	Pro	Pro	Ala	Arg	Pro	Pro	Pro	Pro	Val	Leu	Pro	Ala	Asn	Arg	Ala
		755					760					765			
Pro	Ser	Ala	Thr	Ala	Pro	Ser	Pro	Val	Gly	Ala	Gly	Thr	Ala	Ala	Pro
	770					775					780				
Ala	Pro	Ser	Gln	Thr	Pro	Gly	Ser	Ala	Pro	Pro	Pro	Gln	Ala	Gln	Gly
785					790				795						800
Pro	Pro	Tyr	Pro	Thr	Tyr	Pro	Gly	Tyr	Pro	Gly	Tyr	Cys	Gln	Met	Pro
				805					810					815	
Met	Pro	Met	Gly	Tyr	Asn	Pro	Tyr	Ala	Tyr	Gly	Gln	Tyr	Asn	Met	Pro
			820					825					830		
Tyr	Pro	Pro	Val	Tyr	His	Gln	Ser	Pro	Gly	Gln	Ala	Pro	Tyr	Pro	Gly
		835					840					845			
Pro	Gln	Gln	Pro	Ser	Tyr	Pro	Phe	Pro	Gln	Pro	Pro	Gln	Gln	Ser	Tyr
	850					855						860			
Tyr	Pro	Gln	Gln												
865															

<210> 2180
 <211> 102
 <212> PRT

<213> Homo sapiens

<400> 2180

Met Lys Pro Ala Thr Ala Ser Ala Leu Leu Leu Leu Leu Gly Leu
1 5 10 15
Ala Trp Thr Gln Gly Ser His Gly Trp Gly Ala Asp Ala Ser Ser Leu
20 25 30
Gln Lys Arg Ala Gly Arg Ala Asp Gln Pro Gly Ala Gly Trp Gln Glu
35 40 45
Val Ala Ala Val Thr Ser Lys Asn Tyr Asn Tyr Asn Gln His Ala Tyr
50 55 60
Pro Thr Ala Tyr Gly Gly Lys Tyr Ser Val Lys Thr Pro Ala Lys Gly
65 70 75 80
Gly Val Ser Pro Ser Ser Ser Ala Ser Arg Val Gln Pro Gly Leu Leu
85 90 95
Gln Trp Val Lys Phe Trp
100

<210> 2181

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2181

Met Phe Leu Phe Gly Gly Phe Leu Met Thr Leu Phe Gly Leu Phe Val
1 5 10 15
Ser Leu Val Phe Leu Gly Gln Ala Phe Thr Ile Met Leu Val Tyr Val
20 25 30
Trp Ser Arg Xaa Asn Pro Tyr Val Arg Met Asn Phe Phe Gly Leu Leu
35 40 45
Asn Phe Gln Ala Pro Phe Leu Pro Trp Val Leu Met Gly Phe Ser Leu
50 55 60
Leu Leu Gly Asn Ser Ile Ile Val Asp Leu Leu Gly Ile Ala Val Gly
65 70 75 80

His Ile Tyr Phe Phe Leu Glu Asp Val Phe Pro Asn Gln Pro Gly Gly
 85 90 95
 Ile Arg Ile Leu Lys Thr Pro Ser Ile Leu Lys Ala Ile Phe Asp Thr
 100 105 110
 Pro Asp Glu Asp Pro Asn Tyr Asn Pro Leu Pro Glu Glu Arg Pro Gly
 115 120 125
 Gly Phe Ala Trp Gly Glu Gly Gln Arg Leu Gly Gly
 130 135 140

<210> 2182
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 2182
 Met Leu Glu Glu Gly Ser Phe Arg Gly Arg Thr Ala Asp Phe Val Phe
 1 5 10 15
 Met Phe Leu Phe Gly Gly Phe Leu Met Thr Leu Phe Gly Leu Phe Val
 20 25 30
 Ser Leu Val Phe Leu Gly Gln Ala Phe Thr Ile Met Leu Val Tyr Val
 35 40 45
 Trp Ser Arg Arg Asn Pro Tyr Val Arg Met Asn Phe Phe Gly Leu Leu
 50 55 60
 Asn Phe Gln Ala Pro Phe Leu Pro Trp Val Leu Met Gly Phe Ser Leu
 65 70 75 80
 Leu Leu Gly Asn Ser Ile Ile Val Asp Leu Leu Gly Ile Ala Val Gly
 85 90 95
 His Ile Tyr Phe Phe Leu Glu Asp Val Phe Pro Asn Gln Pro Gly Gly
 100 105 110
 Ile Arg Ile Leu Lys Thr Pro Ser Ile Leu Lys Ala Ile Phe Asp Thr
 115 120 125
 Pro Asp Glu Asp Pro Asn Tyr Asn Pro Leu Pro Glu Glu Arg Pro Gly
 130 135 140
 Gly Phe Ala Trp Gly Glu Gly Gln Arg Leu Gly Gly
 145 150 155

<210> 2183
 <211> 239
 <212> PRT
 <213> Homo sapiens

<400> 2183

Met	Ala	Tyr	Gln	Ser	Leu	Arg	Leu	Glu	Tyr	Leu	Gln	Ile	Pro	Pro	Val
1				5					10					15	
Ser	Arg	Ala	Tyr	Thr	Thr	Ala	Cys	Val	Leu	Thr	Thr	Ala	Ala	Val	Gln
			20					25					30		
Leu	Glu	Leu	Ile	Thr	Pro	Phe	Gln	Leu	Tyr	Phe	Asn	Pro	Glu	Leu	Ile
		35					40					45			
Phe	Lys	His	Phe	Gln	Ile	Trp	Arg	Leu	Ile	Thr	Asn	Phe	Leu	Phe	Phe
	50					55					60				
Gly	Pro	Val	Gly	Phe	Asn	Phe	Leu	Phe	Asn	Met	Ile	Phe	Leu	Tyr	Arg
65					70					75					80
Tyr	Cys	Arg	Met	Leu	Glu	Glu	Gly	Ser	Phe	Arg	Gly	Arg	Thr	Ala	Asp
				85					90					95	
Phe	Val	Phe	Met	Phe	Leu	Phe	Gly	Gly	Phe	Leu	Met	Thr	Leu	Phe	Gly
			100					105					110		
Leu	Phe	Val	Ser	Leu	Val	Phe	Leu	Gly	Gln	Ala	Phe	Thr	Ile	Met	Leu
		115						120				125			
Val	Tyr	Val	Trp	Ser	Arg	Arg	Asn	Pro	Tyr	Val	Arg	Met	Asn	Phe	Phe
	130					135					140				
Gly	Leu	Leu	Asn	Phe	Gln	Ala	Pro	Phe	Leu	Pro	Trp	Val	Leu	Met	Gly
145					150					155					160
Phe	Ser	Leu	Leu	Leu	Gly	Asn	Ser	Ile	Ile	Val	Asp	Leu	Leu	Gly	Ile
				165					170					175	
Ala	Val	Gly	His	Ile	Tyr	Phe	Phe	Leu	Glu	Asp	Val	Phe	Pro	Asn	Gln
			180					185					190		
Pro	Gly	Gly	Ile	Arg	Ile	Leu	Lys	Thr	Pro	Ser	Ile	Leu	Lys	Ala	Ile
		195					200					205			
Phe	Asp	Thr	Pro	Asp	Glu	Asp	Pro	Asn	Tyr	Asn	Pro	Leu	Pro	Glu	Glu
	210					215					220				
Arg	Pro	Gly	Gly	Phe	Ala	Trp	Gly	Glu	Gly	Gln	Arg	Leu	Gly	Gly	
225					230					235					

<210> 2184
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 2184
 Met Thr Leu Phe Gly Leu Phe Val Ser Leu Val Phe Leu Gly Gln Ala
 1 5 10 15
 Phe Thr Ile Met Leu Val Tyr Val Trp Ser Arg Arg Asn Pro Tyr Val
 20 25 30
 Arg Met Asn Phe Phe Gly Leu Leu Asn Phe Gln Ala Pro Phe Leu Pro
 35 40 45
 Trp Val Leu Met Gly Phe Ser Leu Leu Leu Gly Asn Ser Ile Ile Val
 50 55 60
 Asp Leu Leu Gly Ile Ala Val Gly His Ile Tyr Phe Phe Leu Glu Asp
 65 70 75 80
 Val Phe Pro Asn Gln Pro Gly Gly Ile Arg Ile Leu Lys Thr Pro Ser
 85 90 95
 Ile Leu Lys Ala Ile Phe Asp Thr Pro Asp Glu Asp Pro Asn Tyr Asn
 100 105 110
 Pro Leu Pro Glu Glu Arg Pro Gly Gly Phe Ala Trp Gly Glu Gly Gln
 115 120 125
 Arg Leu Gly Gly
 130

<210> 2185
 <211> 339
 <212> PRT
 <213> Homo sapiens

<400> 2185
 Met Ser Trp Ser Thr Phe Leu Leu Ala Glu Ala Cys Gly Phe Thr Gly
 1 5 10 15
 Val Val Ala Val Leu Phe Cys Gly Ile Thr Gln Ala His Tyr Thr Tyr
 20 25 30
 Asn Asn Leu Ser Val Glu Ser Arg Ser Arg Thr Lys Gln Leu Phe Glu
 35 40 45
 Val Leu His Phe Leu Ala Glu Asn Phe Ile Phe Ser Tyr Met Gly Leu

50					55					60					
Ala	Leu	Phe	Thr	Phe	Gln	Lys	His	Val	Phe	Ser	Pro	Ile	Phe	Ile	Ile
65					70					75					80
Gly	Ala	Phe	Val	Ala	Ile	Phe	Leu	Gly	Arg	Ala	Ala	His	Ile	Tyr	Pro
				85					90					95	
Leu	Ser	Phe	Phe	Leu	Asn	Leu	Gly	Arg	Arg	His	Lys	Ile	Gly	Trp	Asn
			100					105					110		
Phe	Gln	His	Met	Met	Met	Phe	Ser	Gly	Leu	Arg	Gly	Ala	Met	Ala	Phe
		115					120					125			
Ala	Leu	Ala	Ile	Arg	Asp	Thr	Ala	Ser	Tyr	Ala	Arg	Gln	Met	Met	Phe
	130					135					140				
Thr	Thr	Thr	Leu	Leu	Ile	Val	Phe	Phe	Thr	Val	Trp	Ile	Ile	Gly	Gly
145					150					155					160
Gly	Thr	Thr	Pro	Met	Leu	Ser	Trp	Leu	Asn	Ile	Arg	Val	Gly	Val	Asp
				165					170					175	
Pro	Asp	Gln	Asp	Pro	Pro	Pro	Asn	Asn	Asp	Ser	Phe	Gln	Val	Leu	Gln
			180					185					190		
Gly	Asp	Gly	Pro	Asp	Ser	Ala	Arg	Gly	Asn	Arg	Thr	Lys	Gln	Glu	Ser
		195					200					205			
Ala	Trp	Ile	Phe	Arg	Leu	Trp	Tyr	Ser	Phe	Asp	His	Asn	Tyr	Leu	Lys
	210					215					220				
Pro	Ile	Leu	Thr	His	Ser	Gly	Pro	Pro	Leu	Thr	Thr	Thr	Leu	Pro	Ala
225					230					235					240
Trp	Cys	Gly	Leu	Leu	Ala	Arg	Cys	Leu	Thr	Ser	Pro	Gln	Val	Tyr	Asp
				245					250					255	
Asn	Gln	Glu	Pro	Leu	Arg	Glu	Glu	Asp	Ser	Asp	Phe	Ile	Leu	Thr	Glu
			260					265					270		
Gly	Asp	Leu	Thr	Leu	Thr	Tyr	Gly	Asp	Ser	Thr	Val	Thr	Ala	Asn	Gly
		275					280					285			
Ser	Ser	Ser	Ser	His	Thr	Ala	Ser	Thr	Ser	Leu	Glu	Gly	Ser	Arg	Arg
	290					295					300				
Thr	Lys	Ser	Ser	Ser	Glu	Glu	Val	Leu	Glu	Arg	Asp	Leu	Gly	Met	Gly
305					310					315					320
Asp	Gln	Lys	Val	Ser	Ser	Arg	Gly	Thr	Arg	Leu	Val	Phe	Pro	Leu	Glu
				325					330					335	

Asp Asn Ala

<210> 2186

<211> 339

<212> PRT

<213> Homo sapiens

<400> 2186

Met Ser Trp Ser Thr Phe Leu Leu Ala Glu Ala Cys Gly Phe Thr Gly
1 5 10 15

Val Val Ala Val Leu Phe Cys Gly Ile Thr Gln Ala His Tyr Thr Tyr
20 25 30

Asn Asn Leu Ser Val Glu Ser Arg Ser Arg Thr Lys Gln Leu Phe Glu
35 40 45

Val Leu His Phe Leu Ala Glu Asn Phe Ile Phe Ser Tyr Met Gly Leu
50 55 60

Ala Leu Phe Thr Phe Gln Lys His Val Phe Ser Pro Ile Phe Ile Ile
65 70 75 80

Gly Ala Phe Val Ala Ile Phe Leu Gly Arg Ala Ala His Ile Tyr Pro
85 90 95

Leu Ser Phe Phe Leu Asn Leu Gly Arg Arg His Lys Ile Gly Trp Asn
100 105 110

Phe Gln His Met Met Met Phe Ser Gly Leu Arg Gly Ala Met Ala Phe
115 120 125

Ala Leu Ala Ile Arg Asp Thr Ala Ser Tyr Ala Arg Gln Met Met Phe
130 135 140

Thr Thr Thr Leu Leu Ile Val Phe Phe Thr Val Trp Ile Ile Gly Gly
145 150 155 160

Gly Thr Thr Pro Met Leu Ser Trp Leu Asn Ile Arg Val Gly Val Asp
165 170 175

Pro Asp Gln Asp Pro Pro Pro Asn Asn Asp Ser Phe Gln Val Leu Gln
180 185 190

Gly Asp Gly Pro Asp Ser Ala Arg Gly Asn Arg Thr Lys Gln Glu Ser
195 200 205

Ala Trp Ile Phe Arg Leu Trp Tyr Ser Phe Asp His Asn Tyr Leu Lys

210	215	220
Pro Ile Leu Thr His Ser Gly Pro Pro Leu Thr Thr Thr Leu Pro Ala		
225	230	235 240
Trp Cys Gly Leu Leu Ala Arg Cys Leu Thr Ser Pro Gln Val Tyr Asp		
	245	250 255
Asn Gln Glu Pro Leu Arg Glu Glu Asp Ser Asp Phe Ile Leu Thr Glu		
	260	265 270
Gly Asp Leu Thr Leu Thr Tyr Gly Asp Ser Thr Val Thr Ala Asn Gly		
	275	280 285
Ser Ser Ser Ser His Thr Ala Ser Thr Ser Leu Glu Gly Ser Arg Arg		
	290	295 300
Thr Lys Ser Ser Ser Glu Glu Val Leu Glu Arg Asp Leu Gly Met Gly		
305	310	315 320
Asp Gln Lys Val Ser Ser Arg Gly Thr Arg Leu Val Phe Pro Leu Glu		
	325	330 335
Asp Asn Ala		

<210> 2187

<211> 509

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (198)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (199)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (244)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (246)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (294)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (301)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (303)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (493)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (498)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (499)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (505)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2187
 Met Glu Glu Leu Ala Thr Glu Lys Glu Ala Glu Glu Ser His Arg Gln
 1 5 10 15

Asp Ser Val Xaa Leu Leu Thr Phe Ile Leu Leu Leu Thr Leu Thr Ile
 20 25 30

Leu	Thr	Ile	Trp	Leu	Phe	Lys	His	Arg	Arg	Val	Arg	Phe	Leu	His	Glu	35	40	45
Thr	Gly	Leu	Ala	Met	Ile	Tyr	Gly	Leu	Ile	Val	Gly	Val	Ile	Leu	Arg	50	55	60
Tyr	Gly	Thr	Pro	Ala	Thr	Ser	Gly	Arg	Asp	Lys	Ser	Leu	Ser	Cys	Thr	65	70	75
Gln	Glu	Asp	Arg	Ala	Phe	Ser	Thr	Leu	Leu	Val	Asn	Val	Ser	Gly	Lys	85	90	95
Phe	Phe	Glu	Tyr	Thr	Leu	Lys	Gly	Glu	Ile	Ser	Pro	Gly	Lys	Ile	Asn	100	105	110
Ser	Val	Glu	Gln	Asn	Asp	Met	Leu	Arg	Lys	Val	Thr	Phe	Asp	Pro	Glu	115	120	125
Val	Phe	Phe	Asn	Ile	Leu	Leu	Pro	Pro	Ile	Ile	Phe	His	Ala	Gly	Tyr	130	135	140
Ser	Leu	Lys	Lys	Arg	His	Phe	Phe	Arg	Asn	Leu	Gly	Ser	Ile	Leu	Ala	145	150	155
Tyr	Ala	Phe	Leu	Gly	Thr	Ala	Xaa	Ser	Cys	Phe	Ile	Ile	Gly	Asn	Leu	165	170	175
Met	Tyr	Gly	Val	Val	Lys	Leu	Met	Lys	Ile	Met	Gly	Gln	Leu	Ser	Asp	180	185	190
Lys	Phe	Tyr	Tyr	Thr	Xaa	Xaa	Leu	Phe	Phe	Gly	Ala	Ile	Ile	Ser	Ala	195	200	205
Thr	Asp	Pro	Val	Thr	Val	Leu	Ala	Ile	Phe	Asn	Glu	Leu	His	Ala	Asp	210	215	220
Val	Asp	Leu	Tyr	Ala	Leu	Leu	Phe	Gly	Glu	Ser	Val	Leu	Asn	Asp	Ala	225	230	235
Val	Ala	Ile	Xaa	Leu	Xaa	Ser	Ser	Ile	Val	Ala	Tyr	Gln	Pro	Ala	Gly	245	250	255
Leu	Asn	Thr	His	Ala	Phe	Asp	Ala	Ala	Ala	Phe	Phe	Lys	Ser	Val	Gly	260	265	270
Ile	Phe	Leu	Gly	Ile	Phe	Ser	Gly	Ser	Phe	Thr	Met	Gly	Ala	Val	Thr	275	280	285
Gly	Val	Val	Thr	Ala	Xaa	Val	Thr	Lys	Phe	Thr	Lys	Xaa	His	Xaa	Phe	290	295	300

Pro Leu Leu Glu Thr Ala Leu Phe Phe Leu Met Ser Trp Ser Thr Phe
 305 310 315 320
 Leu Leu Ala Glu Ala Cys Gly Phe Thr Gly Val Val Ala Val Leu Phe
 325 330 335
 Cys Gly Ile Thr Gln Ala His Tyr Thr Tyr Asn Asn Leu Ser Val Glu
 340 345 350
 Ser Arg Ser Arg Thr Lys Gln Leu Phe Glu Val Leu His Phe Leu Ala
 355 360 365
 Glu Asn Phe Ile Phe Ser Tyr Met Gly Leu Ala Leu Phe Thr Phe Gln
 370 375 380
 Lys His Val Phe Ser Pro Ile Phe Ile Ile Gly Ala Phe Val Ala Ile
 385 390 395 400
 Phe Leu Gly Arg Ala Ala His Ile Tyr Pro Leu Ser Phe Phe Leu Asn
 405 410 415
 Leu Gly Arg Arg His Lys Ile Gly Trp Asn Phe Gln His Met Met Met
 420 425 430
 Phe Ser Gly Leu Arg Gly Ala Met Ala Phe Ala Leu Ala Ile Arg Asp
 435 440 445
 Thr Ala Ser Tyr Ala Arg Gln Met Met Phe Thr Thr Thr Leu Leu Ile
 450 455 460
 Val Phe Phe Thr Val Trp Ile Ile Gly Gly Gly Thr Thr Pro Met Leu
 465 470 475 480
 Ser Trp Leu Asn Ile Arg Val Gly Val Asp Pro Asp Xaa Asp Pro Pro
 485 490 495
 Pro Xaa Xaa Asp Ser Phe Ala Phe Xaa Thr Glu Thr Ala
 500 505

<210> 2188

<211> 146

<212> PRT

<213> Homo sapiens

<400> 2188

Met Thr Met Arg Ser Leu Leu Arg Thr Pro Phe Leu Cys Gly Leu Leu
 1 5 10 15

Trp Ala Phe Cys Ala Pro Gly Ala Arg Ala Glu Glu Pro Ala Ala Ser
 20 25 30

Phe	Ser	Gln	Pro	Gly	Ser	Met	Gly	Leu	Asp	Lys	Asn	Thr	Val	His	Asp
		35					40					45			
Gln	Glu	His	Ile	Met	Glu	His	Leu	Glu	Gly	Val	Ile	Asn	Lys	Pro	Glu
	50					55					60				
Ala	Glu	Met	Ser	Pro	Gln	Glu	Leu	Gln	Leu	His	Tyr	Phe	Lys	Met	His
	65				70					75					80
Asp	Tyr	Asp	Gly	Asn	Asn	Leu	Leu	Asp	Gly	Leu	Glu	Leu	Ser	Thr	Ala
				85					90					95	
Ile	Thr	His	Val	His	Lys	Glu	Glu	Gly	Ser	Glu	Gln	Ala	Pro	Leu	Met
			100					105					110		
Ser	Glu	Asp	Glu	Leu	Ile	Asn	Ile	Ile	Asp	Gly	Val	Leu	Arg	Asp	Asp
		115					120					125			
Asp	Lys	Asn	Asn	Asp	Gly	Tyr	Ile	Asp	Tyr	Ala	Glu	Phe	Ala	Lys	Ser
	130					135					140				
Leu	Gln														
145															

<210> 2189

<211> 530

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (488)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (490)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (494)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (495)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (505)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2189

Met Glu Phe Gly Leu Thr Trp Val Phe Leu Val Ala Leu Leu Arg Gly
1 5 10 15

Val His Cys Gln Val Gln Leu Val Glu Ser Gly Gly Ala Val Val Gln
20 25 30

Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
35 40 45

Ser Arg Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
50 55 60

Gln Trp Leu Ala Leu Val Leu His Asp Gly Gly Gln Lys Tyr Asn Glu
65 70 75 80

Asp Val Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Asn Asn
85 90 95

Lys Val Tyr Leu Gln Met Asp Ser Leu Arg Gly Glu Asp Thr Ala Thr
100 105 110

Tyr Tyr Cys Val Arg Gly Met Trp Glu Gln Leu Pro Ser Tyr Tyr Phe
115 120 125

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Pro
130 135 140

Thr Ser Pro Lys Val Phe Pro Leu Ser Leu Cys Ser Thr Gln Pro Asp
145 150 155 160

Gly Asn Val Val Ile Ala Cys Leu Val Gln Gly Phe Phe Pro Gln Glu
165 170 175

Pro Leu Ser Val Thr Trp Ser Glu Ser Gly Gln Gly Val Thr Ala Arg
180 185 190

Asn Phe Pro Pro Ser Gln Asp Ala Ser Gly Asp Leu Tyr Thr Thr Ser
195 200 205

Ser Gln Leu Thr Leu Pro Ala Thr Gln Cys Leu Ala Gly Lys Ser Val
210 215 220

Thr Cys His Val Lys His Tyr Thr Asn Pro Ser Gln Asp Val Thr Val
225 230 235 240

Pro Cys Pro Val Pro Ser Thr Pro Pro Thr Pro Ser Pro Ser Thr Pro

				245				250				255			
Pro	Thr	Pro	Ser	Pro	Ser	Cys	Cys	His	Pro	Arg	Leu	Ser	Leu	His	Arg
			260					265					270		
Pro	Ala	Leu	Glu	Asp	Leu	Leu	Leu	Gly	Ser	Glu	Ala	Asn	Leu	Thr	Cys
		275					280					285			
Thr	Leu	Thr	Gly	Leu	Arg	Asp	Ala	Ser	Gly	Val	Thr	Phe	Thr	Trp	Thr
	290					295					300				
Pro	Ser	Ser	Gly	Lys	Ser	Ala	Val	Gln	Gly	Pro	Pro	Asp	Arg	Asp	Leu
305					310					315					320
Cys	Gly	Cys	Tyr	Ser	Val	Ser	Ser	Val	Leu	Pro	Gly	Cys	Ala	Glu	Pro
				325					330					335	
Trp	Asn	His	Gly	Lys	Thr	Phe	Thr	Cys	Thr	Ala	Ala	Tyr	Pro	Glu	Ser
			340					345					350		
Lys	Thr	Pro	Leu	Thr	Ala	Thr	Leu	Ser	Lys	Ser	Gly	Asn	Thr	Phe	Arg
		355					360					365			
Pro	Glu	Val	His	Leu	Leu	Pro	Pro	Pro	Ser	Glu	Glu	Leu	Ala	Leu	Asn
	370					375					380				
Glu	Leu	Val	Thr	Leu	Thr	Cys	Leu	Ala	Arg	Gly	Phe	Ser	Pro	Lys	Asp
385					390					395					400
Val	Leu	Val	Arg	Trp	Leu	Gln	Gly	Ser	Gln	Glu	Leu	Pro	Arg	Glu	Lys
				405					410					415	
Tyr	Leu	Thr	Trp	Ala	Ser	Arg	Gln	Glu	Pro	Ser	Gln	Gly	Thr	Thr	Thr
			420					425					430		
Phe	Ala	Val	Thr	Ser	Ile	Leu	Arg	Val	Ala	Ala	Glu	Asp	Trp	Lys	Lys
		435					440					445			
Gly	Asp	Thr	Phe	Ser	Cys	Met	Val	Gly	His	Glu	Ala	Leu	Pro	Leu	Ala
	450					455					460				
Phe	Thr	Gln	Lys	Thr	Ile	Asp	Arg	Leu	Ala	Gly	Lys	Pro	Thr	His	Val
465					470					475					480
Asn	Val	Ser	Val	Val	Met	Ala	Xaa	Val	Xaa	Gly	Pro	Cys	Xaa	Xaa	Ala
				485					490					495	
Ala	Arg	Leu	Ser	Pro	Pro	Leu	Asn	Xaa	Leu	His	Ala	Pro	Pro	Lys	Lys
			500					505					510		
Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
		515					520					525			

Lys Lys
530

<210> 2190
<211> 265
<212> PRT
<213> Homo sapiens

<400> 2190
Met Gly Gly Gln Val Ala Gly Val Tyr Ala Ala Tyr Tyr Pro Ser Asp
1 5 10 15
Val Ser Ser Leu Cys Leu Val Cys Pro Ala Gly Leu Gln Tyr Ser Thr
20 25 30
Asp Asn Gln Phe Val Gln Arg Leu Lys Glu Leu Gln Gly Ser Ala Ala
35 40 45
Val Glu Lys Ile Pro Leu Ile Pro Ser Thr Pro Glu Glu Met Ser Glu
50 55 60
Met Leu Gln Leu Cys Ser Tyr Val Arg Phe Lys Val Pro Gln Gln Ile
65 70 75 80
Leu Gln Gly Leu Val Asp Val Arg Ile Pro His Asn Asn Phe Tyr Arg
85 90 95
Lys Leu Phe Leu Glu Ile Val Ser Glu Lys Ser Arg Tyr Ser Leu His
100 105 110
Gln Asn Met Asp Lys Ile Lys Val Pro Thr Gln Ile Ile Trp Gly Lys
115 120 125
Gln Asp Ala Gly Ala Gly Cys Val Trp Gly Arg His Val Gly Gln Val
130 135 140
Asn Cys Gln Leu Pro Gly Gly Ala Ser Gly Lys Leu Trp Ala Leu Ser
145 150 155 160
Ser Asp Gly Lys Thr Gln Glu Asp Ser Gln Ala His Asn Arg Leu Phe
165 170 175
Ser Phe Cys Ala Gln His Arg Gln Gln Gln Glu Ala Gly Leu Arg Pro
180 185 190
Arg Leu Gln Pro Ala Phe Cys Thr Gln His Leu Leu Pro Ser Pro Lys
195 200 205
Ser Asp Ala Ala Thr Thr Leu Arg Asp Pro Ala Pro Asn Ala Val Gly

210	215	220
Ala Pro Val Thr Leu Arg Lys Pro Val Pro Tyr Pro Trp Tyr Pro Arg		
225	230	235 240
Phe Pro Arg Ala Leu Gly Thr Thr Arg Lys Pro Pro Arg Tyr Phe Ser		
	245	250 255
Gln Asn Arg Asn Ser Tyr Gly Thr Lys		
	260	265

<210> 2191
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 2191
 Met Ala Val Trp Gly Asp Thr Glu Leu Ala Ala Gly Val Phe Cys Phe
 1 5 10 15
 Phe Leu Phe Phe Cys Phe Leu Tyr Leu Ser Gly Thr Trp Asn Ala Ser
 20 25 30
 Lys Thr Glu Leu Phe Thr Pro Leu Glu Arg Glu Leu Lys Pro Gly His
 35 40 45
 Pro Ser Gly Met Leu Ser Gly Ser His Pro His Gly Ala Gln Gln Ala
 50 55 60
 Lys Ser Thr Gly Leu Lys Leu Ser Leu Pro Ala Gln Gln Ser Glu Val
 65 70 75 80
 Asp Leu Gly Cys Ser Ser Leu Val Trp Gly Gly Ala Ser Ala Ile Thr
 85 90 95
 Glu Ala Leu

<210> 2192
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 2192
 Met Pro Thr Thr Thr Glu Gln Pro Val Thr Thr Thr Phe Pro Val Thr
 1 5 10 15
 Thr Gly Leu Lys Pro Thr Val Ala Leu Cys Gln Gln Lys Cys Arg Arg

				20					25							30			
Thr	Gly	Thr	Leu	Glu	Gly	Asn	Tyr	Cys	Ser	Ser	Asp	Phe	Val	Leu	Ala				
		35					40					45							
Gly	Thr	Val	Ile	Thr	Thr	Ile	Thr	Arg	Asp	Gly	Ser	Leu	His	Ala	Thr				
	50					55					60								
Val	Ser	Ile	Ile	Asn	Ile	Tyr	Lys	Glu	Gly	Asn	Leu	Ala	Ile	Gln	Gln				
	65				70					75					80				
Ala	Gly	Lys	Asn	Met	Ser	Ala	Arg	Leu	Thr	Val	Val	Cys	Lys	Gln	Cys				
			85						90					95					
Pro	Leu	Leu	Arg	Arg	Gly	Leu	Asn	Tyr	Ile	Ile	Met	Gly	Gln	Val	Gly				
			100					105					110						
Glu	Asp	Gly	Arg	Gly	Lys	Ile	Met	Pro	Asn	Ser	Phe	Ile	Met	Met	Phe				
	115						120					125							
Lys	Thr	Lys	Asn	Gln	Lys	Leu	Leu	Asp	Ala	Leu	Lys	Asn	Lys	Gln	Cys				
	130					135					140								

<210> 2193

<211> 294

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2193

Met	Met	Val	Gln	Met	Ile	Ser	Asp	Ala	Asn	Thr	Ala	Gly	Asn	Gly	Phe				
	1			5					10					15					

Met	Ala	Met	Phe	Ser	Ala	Ala	Glu	Pro	Asn	Glu	Arg	Gly	Asp	Gln	Tyr				
			20					25					30						

Cys	Gly	Gly	Leu	Leu	Asp	Arg	Pro	Ser	Gly	Ser	Phe	Lys	Thr	Pro	Asn				
		35					40					45							

<211> 487
 <212> PRT
 <213> Homo sapiens

<400> 2194

Met	Lys	His	Leu	Trp	Phe	Phe	Leu	Leu	Leu	Val	Ala	Ala	Pro	Arg	Trp
1				5					10					15	
Val	Leu	Ser	Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys
			20					25					30		
Pro	Ser	Glu	Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile
		35					40					45			
Ser	Ser	Gly	Gly	His	Tyr	Trp	Ser	Trp	Ile	Arg	Gln	His	Pro	Gly	Lys
	50					55					60				
Gly	Leu	Glu	Trp	Ile	Gly	Tyr	Ile	Ser	Tyr	Asn	Gly	Val	Thr	Tyr	Tyr
65					70					75					80
Asn	Pro	Ser	Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Gln
				85					90					95	
Asn	Gln	Phe	Ser	Leu	Arg	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala
			100					105					110		
Val	Tyr	Tyr	Cys	Ala	Lys	Asp	His	Arg	Ala	Thr	Arg	Asp	Gly	Tyr	Gln
		115					120					125			
Leu	Glu	Tyr	Arg	Gly	Phe	Asp	Tyr	Trp	Gly	Gln	Gly	Ile	Leu	Val	Thr
	130					135					140				
Val	Ser	Ser	Ala	Ser	Pro	Thr	Ser	Pro	Lys	Val	Phe	Pro	Leu	Ser	Leu
145					150					155					160
Asp	Ser	Thr	Pro	Gln	Asp	Gly	Asn	Val	Val	Val	Ala	Cys	Leu	Val	Gln
				165				170						175	
Gly	Phe	Phe	Pro	Gln	Glu	Pro	Leu	Ser	Val	Thr	Trp	Ser	Glu	Ser	Gly
			180					185					190		
Gln	Asn	Val	Thr	Ala	Arg	Asn	Phe	Pro	Pro	Ser	Gln	Asp	Ala	Ser	Gly
		195					200					205			
Asp	Leu	Tyr	Thr	Thr	Ser	Ser	Gln	Leu	Thr	Leu	Pro	Ala	Thr	Gln	Cys
	210					215					220				
Pro	Asp	Gly	Lys	Ser	Val	Thr	Cys	His	Val	Lys	His	Tyr	Thr	Asn	Pro
225					230					235					240
Ser	Gln	Asp	Val	Thr	Val	Pro	Cys	Pro	Val	Pro	Pro	Pro	Pro	Pro	Cys
				245					250					255	

Cys	His	Pro	Arg	Leu	Ser	Leu	His	Arg	Pro	Ala	Leu	Glu	Asp	Leu	Leu			
			260					265					270					
Leu	Gly	Ser	Glu	Ala	Asn	Leu	Thr	Cys	Thr	Leu	Thr	Gly	Leu	Arg	Asp			
		275					280					285						
Ala	Ser	Gly	Ala	Thr	Phe	Thr	Trp	Thr	Pro	Ser	Ser	Gly	Lys	Ser	Ala			
	290					295					300							
Val	Gln	Gly	Pro	Pro	Glu	Arg	Asp	Leu	Cys	Gly	Cys	Tyr	Ser	Val	Ser			
305					310					315					320			
Ser	Val	Leu	Pro	Gly	Cys	Ala	Gln	Pro	Trp	Asn	His	Gly	Glu	Thr	Phe			
				325					330					335				
Thr	Cys	Thr	Ala	Ala	His	Pro	Glu	Leu	Lys	Thr	Pro	Leu	Thr	Ala	Asn			
			340					345					350					
Ile	Thr	Lys	Ser	Gly	Asn	Thr	Phe	Arg	Pro	Glu	Val	His	Leu	Leu	Pro			
		355					360					365						
Pro	Pro	Ser	Glu	Glu	Leu	Ala	Leu	Asn	Glu	Leu	Val	Thr	Leu	Thr	Cys			
	370					375					380							
Leu	Ala	Arg	Gly	Phe	Ser	Pro	Lys	Asp	Val	Leu	Val	Arg	Trp	Leu	Gln			
385					390					395					400			
Gly	Ser	Gln	Glu	Leu	Pro	Arg	Glu	Lys	Tyr	Leu	Thr	Trp	Ala	Ser	Arg			
			405					410					415					
Gln	Glu	Pro	Ser	Gln	Gly	Thr	Thr	Thr	Phe	Ala	Val	Thr	Ser	Ile	Leu			
			420					425					430					
Arg	Val	Ala	Ala	Glu	Asp	Trp	Lys	Lys	Gly	Asp	Thr	Phe	Ser	Cys	Met			
		435					440					445						
Val	Gly	His	Glu	Ala	Leu	Pro	Leu	Ala	Phe	Thr	Gln	Lys	Thr	Ile	Asp			
	450					455					460							
Arg	Leu	Ala	Gly	Lys	Pro	Thr	His	Val	Asn	Val	Ser	Val	Val	Met	Ala			
465					470					475					480			
Glu	Val	Asp	Gly	Thr	Cys	Tyr												
				485														

<210> 2195

<211> 189

<212> PRT

<213> Homo sapiens

<400> 2195

Met Gly Gly Gln Val Ala Gly Val Tyr Ala Ala Tyr Tyr Pro Ser Asp
1 5 10 15

Val Ser Ser Leu Cys Leu Val Cys Pro Ala Gly Leu Gln Tyr Ser Thr
20 25 30

Asp Asn Gln Phe Val Gln Arg Leu Lys Glu Leu Gln Gly Ser Ala Ala
35 40 45

Val Glu Lys Ile Pro Leu Ile Pro Ser Thr Pro Glu Glu Met Ser Glu
50 55 60

Met Leu Gln Leu Cys Ser Tyr Val Arg Phe Lys Val Pro Gln Gln Ile
65 70 75 80

Leu Gln Gly Leu Val Asp Val Arg Ile Pro His Asn Asn Phe Tyr Arg
85 90 95

Lys Leu Phe Leu Glu Ile Val Ser Glu Lys Ser Arg Tyr Ser Leu His
100 105 110

Gln Asn Met Asp Lys Ile Lys Val Pro Thr Gln Ile Ile Trp Gly Lys
115 120 125

Gln Asp Gln Val Leu Asp Val Ser Gly Ala Asp Met Leu Ala Lys Ser
130 135 140

Ile Ala Asn Cys Gln Val Glu Leu Leu Glu Asn Cys Gly His Ser Val
145 150 155 160

Val Met Glu Arg Pro Arg Lys Thr Ala Lys Leu Ile Ile Asp Phe Leu
165 170 175

Ala Ser Val His Asn Thr Asp Asn Asn Lys Lys Leu Asp
180 185

<210> 2196

<211> 298

<212> PRT

<213> Homo sapiens

<400> 2196

Met Lys Thr Leu Gln Ser Thr Leu Leu Leu Leu Leu Val Pro Leu
1 5 10 15

Ile Lys Pro Ala Pro Pro Thr Gln Gln Asp Ser Arg Ile Ile Tyr Asp
20 25 30

Tyr	Gly	Thr	Asp	Asn	Phe	Glu	Glu	Ser	Ile	Phe	Ser	Gln	Asp	Tyr	Glu	
		35					40					45				
Asp	Lys	Tyr	Leu	Asp	Gly	Lys	Asn	Ile	Lys	Glu	Lys	Glu	Thr	Val	Ile	
	50					55					60					
Ile	Pro	Asn	Glu	Lys	Ser	Leu	Gln	Leu	Gln	Lys	Asp	Glu	Ala	Ile	Thr	
	65				70					75					80	
Pro	Leu	Pro	Pro	Lys	Lys	Glu	Asn	Asp	Glu	Met	Pro	Thr	Cys	Leu	Leu	
				85					90					95		
Cys	Val	Cys	Leu	Ser	Gly	Ser	Val	Tyr	Cys	Glu	Glu	Val	Asp	Ile	Asp	
			100					105					110			
Ala	Val	Pro	Pro	Leu	Pro	Lys	Glu	Ser	Ala	Tyr	Leu	Tyr	Ala	Arg	Phe	
		115					120					125				
Asn	Lys	Ile	Lys	Lys	Leu	Thr	Ala	Lys	Asp	Phe	Ala	Asp	Ile	Pro	Asn	
	130					135					140					
Leu	Arg	Arg	Leu	Asp	Phe	Thr	Gly	Asn	Leu	Ile	Glu	Asp	Ile	Glu	Asp	
	145				150					155					160	
Gly	Thr	Phe	Ser	Lys	Leu	Ser	Leu	Leu	Glu	Glu	Leu	Ser	Leu	Ala	Glu	
				165					170					175		
Asn	Gln	Leu	Leu	Lys	Leu	Pro	Val	Leu	Pro	Pro	Lys	Leu	Thr	Leu	Phe	
		180						185					190			
Asn	Ala	Lys	Tyr	Asn	Lys	Ile	Lys	Ser	Arg	Gly	Ile	Lys	Ala	Asn	Ala	
		195					200					205				
Phe	Lys	Lys	Leu	Asn	Asn	Leu	Thr	Phe	Leu	Tyr	Leu	Asp	His	Asn	Ala	
	210					215					220					
Leu	Glu	Ser	Val	Pro	Leu	Asn	Leu	Pro	Glu	Ser	Leu	Arg	Val	Ile	His	
	225				230					235					240	
Leu	Gln	Phe	Asn	Asn	Ile	Ala	Ser	Ile	Thr	Asp	Asp	Thr	Phe	Cys	Lys	
				245					250					255		
Ala	Asn	Asp	Thr	Ser	Tyr	Ile	Arg	Asp	Arg	Ile	Glu	Glu	Ile	Arg	Leu	
			260					265					270			
Glu	Gly	Asn	Pro	Ile	Val	Leu	Gly	Lys	His	Pro	Asn	Ser	Phe	Ile	Cys	
		275					280					285				
Leu	Lys	Arg	Leu	Pro	Ile	Gly	Ser	Tyr	Phe							
	290					295										

<210> 2197
 <211> 298
 <212> PRT
 <213> Homo sapiens

<400> 2197

Met	Lys	Thr	Leu	Gln	Ser	Thr	Leu	Leu	Leu	Leu	Leu	Leu	Val	Pro	Leu
1				5					10					15	
Ile	Lys	Pro	Ala	Pro	Pro	Thr	Gln	Gln	Asp	Ser	Arg	Ile	Ile	Tyr	Asp
			20					25					30		
Tyr	Gly	Thr	Asp	Asn	Phe	Glu	Glu	Ser	Ile	Phe	Ser	Gln	Asp	Tyr	Glu
		35					40					45			
Asp	Lys	Tyr	Leu	Asp	Gly	Lys	Asn	Ile	Lys	Glu	Lys	Glu	Thr	Val	Ile
	50					55					60				
Ile	Pro	Asn	Glu	Lys	Ser	Leu	Gln	Leu	Gln	Lys	Asp	Glu	Ala	Ile	Thr
65					70					75					80
Pro	Leu	Pro	Pro	Lys	Lys	Glu	Asn	Asp	Glu	Met	Pro	Thr	Cys	Leu	Leu
				85					90					95	
Cys	Val	Cys	Leu	Ser	Gly	Ser	Val	Tyr	Cys	Glu	Glu	Val	Asp	Ile	Asp
			100					105					110		
Ala	Val	Pro	Pro	Leu	Pro	Lys	Glu	Ser	Ala	Tyr	Leu	Tyr	Ala	Arg	Phe
		115					120					125			
Asn	Lys	Ile	Lys	Lys	Leu	Thr	Ala	Lys	Asp	Phe	Ala	Asp	Ile	Pro	Asn
	130					135					140				
Leu	Arg	Arg	Leu	Asp	Phe	Thr	Gly	Asn	Leu	Ile	Glu	Asp	Ile	Glu	Asp
145					150					155					160
Gly	Thr	Phe	Ser	Lys	Leu	Ser	Leu	Leu	Glu	Glu	Leu	Ser	Leu	Ala	Glu
				165					170					175	
Asn	Gln	Leu	Leu	Lys	Leu	Pro	Val	Leu	Pro	Pro	Lys	Leu	Thr	Leu	Phe
			180					185					190		
Asn	Ala	Lys	Tyr	Asn	Lys	Ile	Lys	Ser	Arg	Gly	Ile	Lys	Ala	Asn	Ala
		195					200					205			
Phe	Lys	Lys	Leu	Asn	Asn	Leu	Thr	Phe	Leu	Tyr	Leu	Asp	His	Asn	Ala
	210					215					220				
Leu	Glu	Ser	Val	Pro	Leu	Asn	Leu	Pro	Glu	Ser	Leu	Arg	Val	Ile	His
225					230					235				240	

Leu Gln Phe Asn Asn Ile Ala Ser Ile Thr Asp Asp Thr Phe Cys Lys
245 250 255

Ala Asn Asp Thr Ser Tyr Ile Arg Asp Arg Ile Glu Glu Ile Arg Leu
260 265 270

Glu Gly Asn Pro Ile Val Leu Gly Lys His Pro Asn Ser Phe Ile Cys
275 280 285

Leu Lys Arg Leu Pro Ile Gly Ser Tyr Phe
290 295

<210> 2198

<211> 42

<212> PRT

<213> Homo sapiens

<400> 2198

Met Glu Cys Lys Lys Arg Ile Gln Leu Ile Met Leu Ala Ser Ile Val
1 5 10 15

Arg Leu Pro Pro Thr Glu Gln Ser Gly Leu Leu Lys Thr Arg Phe His
20 25 30

Asn Phe Cys Gln Arg Asn Leu Gln Ser Ser
35 40

<210> 2199

<211> 472

<212> PRT

<213> Homo sapiens

<400> 2199

Met Ile Arg Thr Arg Arg Gly Trp Ser Ser Met Trp Pro Trp Ile Gly
1 5 10 15

Val Gly Tyr Leu Ala Gly Cys Leu Val His Ala Leu Gly Glu Lys Gln
20 25 30

Pro Glu Leu Gln Ile Ser Glu Arg Asp Val Leu Cys Val Gln Ile Ala
35 40 45

Gly Leu Cys His Asp Leu Gly His Gly Pro Phe Ser His Met Phe Asp
50 55 60

Gly Arg Phe Ile Pro Leu Ala Arg Pro Glu Val Lys Trp Thr His Glu
65 70 75 80

Gln Gly Ser Val Met Met Phe Glu His Leu Ile Asn Ser Asn Gly Ile
 85 90 95
 Lys Pro Val Met Glu Gln Tyr Gly Leu Ile Pro Glu Glu Asp Ile Cys
 100 105 110
 Phe Ile Lys Glu Gln Ile Val Gly Pro Leu Glu Ser Pro Val Glu Asp
 115 120 125
 Ser Leu Trp Pro Tyr Lys Gly Arg Pro Glu Asn Lys Ser Phe Leu Tyr
 130 135 140
 Glu Ile Val Ser Asn Lys Arg Asn Gly Ile Asp Val Asp Lys Trp Asp
 145 150 155 160
 Tyr Phe Ala Arg Asp Cys His His Leu Gly Ile Gln Asn Asn Phe Asp
 165 170 175
 Tyr Lys Arg Phe Ile Lys Phe Ala Arg Val Cys Glu Val Asp Asn Glu
 180 185 190
 Leu Arg Ile Cys Ala Arg Asp Lys Glu Val Gly Asn Leu Tyr Asp Met
 195 200 205
 Phe His Thr Arg Asn Ser Leu His Arg Arg Ala Tyr Gln His Lys Val
 210 215 220
 Gly Asn Ile Ile Asp Thr Met Ile Thr Asp Ala Phe Leu Glu Ala Asp
 225 230 235 240
 Asp Tyr Ile Glu Ile Thr Gly Ala Gly Gly Lys Lys Tyr Arg Ile Ser
 245 250 255
 Thr Ala Ile Asp Asp Met Glu Ala Tyr Thr Lys Leu Thr Asp Asn Ile
 260 265 270
 Phe Leu Glu Ile Leu Tyr Ser Thr Asp Pro Lys Leu Lys Asp Ala Arg
 275 280 285
 Glu Ile Leu Lys Gln Ile Glu Tyr Arg Asn Leu Phe Lys Tyr Val Gly
 290 295 300
 Glu Thr Gln Pro Thr Gly Gln Ile Lys Ile Lys Arg Glu Asp Tyr Glu
 305 310 315 320
 Ser Leu Pro Lys Glu Val Ala Ser Ala Lys Pro Lys Val Leu Leu Asp
 325 330 335
 Val Lys Leu Lys Ala Glu Asp Phe Ile Val Asp Val Ile Asn Met Asp
 340 345 350
 Tyr Gly Met Gln Glu Lys Asn Pro Ile Asp His Val Ser Phe Tyr Cys

355		360		365
Lys Thr Ala Pro Asn Arg Ala Ile Arg Ile Thr Lys Asn Gln Val Ser				
370		375		380
Gln Leu Leu Pro Glu Lys Phe Ala Glu Gln Leu Ile Arg Val Tyr Cys				
385		390		400
Lys Lys Val Asp Arg Lys Ser Leu Tyr Ala Ala Arg Gln Tyr Phe Val				
	405		410	415
Gln Trp Cys Ala Asp Arg Asn Phe Thr Lys Pro Gln Asp Gly Asp Val				
	420		425	430
Ile Ala Pro Leu Ile Thr Pro Gln Lys Lys Glu Trp Asn Asp Ser Thr				
	435		440	445
Ser Val Gln Asn Pro Thr Arg Leu Arg Glu Ala Ser Lys Ser Arg Val				
	450		455	460
Gln Leu Phe Lys Asp Asp Pro Met				
465		470		

<210> 2200

<211> 626

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (353)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (354)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (363)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2200

Met Gln Arg Ala Asp Ser Glu Gln Pro Ser Lys Arg Pro Arg Cys Asp
1 5 10 15

Asp Ser Pro Arg Thr Pro Ser Asn Thr Pro Ser Ala Glu Ala Asp Trp
20 25 30

Ser Pro Gly Leu Glu Leu His Pro Asp Tyr Lys Thr Trp Gly Pro Glu
 35 40 45
 Gln Val Cys Ser Phe Leu Arg Arg Gly Gly Phe Glu Glu Pro Val Leu
 50 55 60
 Leu Lys Asn Ile Arg Glu Asn Glu Ile Thr Gly Ala Leu Leu Pro Cys
 65 70 75 80
 Leu Asp Glu Ser Arg Phe Glu Asn Leu Gly Val Ser Ser Leu Gly Glu
 85 90 95
 Arg Lys Lys Leu Leu Ser Tyr Ile Gln Arg Leu Val Gln Ile His Val
 100 105 110
 Asp Thr Met Lys Val Ile Asn Asp Pro Ile His Gly His Ile Glu Leu
 115 120 125
 His Pro Leu Leu Val Arg Ile Ile Asp Thr Pro Gln Phe Gln Arg Leu
 130 135 140
 Arg Tyr Ile Lys Gln Leu Gly Gly Gly Tyr Tyr Val Phe Pro Gly Ala
 145 150 155 160
 Ser His Asn Arg Phe Glu His Ser Leu Gly Val Gly Tyr Leu Ala Gly
 165 170 175
 Cys Leu Val His Ala Leu Gly Glu Lys Gln Pro Glu Leu Gln Ile Ser
 180 185 190
 Glu Arg Asp Val Leu Cys Val Gln Ile Ala Gly Leu Cys His Asp Leu
 195 200 205
 Gly His Gly Pro Phe Ser His Met Phe Asp Gly Arg Phe Ile Pro Leu
 210 215 220
 Ala Arg Pro Glu Val Lys Trp Thr His Glu Gln Gly Ser Val Met Met
 225 230 235 240
 Phe Glu His Leu Ile Asn Ser Asn Gly Ile Lys Pro Val Met Glu Gln
 245 250 255
 Tyr Gly Leu Ile Pro Glu Glu Asp Ile Cys Phe Ile Lys Glu Gln Ile
 260 265 270
 Val Gly Pro Leu Glu Ser Pro Val Glu Asp Ser Leu Trp Pro Tyr Lys
 275 280 285
 Gly Arg Pro Glu Asn Lys Ser Phe Leu Tyr Glu Ile Val Ser Asn Lys
 290 295 300
 Arg Asn Gly Ile Asp Val Asp Lys Trp Asp Tyr Phe Ala Arg Asp Cys

305					310					315				320	
His	His	Leu	Gly	Ile	Gln	Asn	Asn	Phe	Asp	Tyr	Lys	Arg	Phe	Ile	Lys
				325					330					335	
Phe	Ala	Arg	Val	Cys	Glu	Val	Asp	Asn	Glu	Leu	Arg	Ile	Cys	Ala	Arg
			340					345					350		
Xaa	Xaa	Glu	Val	Gly	Asn	Leu	Tyr	Asp	Met	Xaa	His	Thr	Arg	Asn	Ser
		355					360					365			
Leu	His	Arg	Arg	Ala	Tyr	Gln	His	Lys	Val	Gly	Asn	Ile	Ile	Asp	Thr
	370					375					380				
Met	Ile	Thr	Asp	Ala	Phe	Leu	Lys	Ala	Asp	Asp	Tyr	Ile	Glu	Ile	Thr
385					390					395					400
Gly	Ala	Gly	Gly	Lys	Lys	Tyr	Arg	Ile	Ser	Thr	Ala	Ile	Asp	Asp	Met
				405					410					415	
Glu	Ala	Tyr	Thr	Lys	Leu	Thr	Asp	Asn	Ile	Phe	Leu	Glu	Ile	Leu	Tyr
			420					425					430		
Ser	Thr	Asp	Pro	Lys	Leu	Lys	Asp	Ala	Arg	Glu	Ile	Leu	Lys	Gln	Ile
		435					440					445			
Glu	Tyr	Arg	Asn	Leu	Phe	Lys	Tyr	Val	Gly	Glu	Thr	Gln	Pro	Thr	Gly
	450					455					460				
Gln	Ile	Lys	Ile	Lys	Arg	Glu	Asp	Tyr	Glu	Ser	Leu	Pro	Lys	Glu	Val
465					470					475					480
Ala	Ser	Ala	Lys	Pro	Lys	Val	Leu	Leu	Asp	Val	Lys	Leu	Lys	Ala	Glu
				485					490					495	
Asp	Phe	Ile	Val	Asp	Val	Ile	Asn	Met	Asp	Tyr	Gly	Met	Gln	Glu	Lys
			500					505					510		
Asn	Pro	Ile	Asp	His	Val	Ser	Phe	Tyr	Cys	Lys	Thr	Ala	Pro	Asn	Arg
		515					520					525			
Ala	Ile	Arg	Ile	Thr	Lys	Asn	Gln	Val	Ser	Gln	Leu	Leu	Pro	Glu	Lys
	530					535					540				
Phe	Ala	Glu	Gln	Leu	Ile	Arg	Val	Tyr	Cys	Lys	Lys	Val	Asp	Arg	Lys
545					550					555					560
Ser	Leu	Tyr	Ala	Ala	Arg	Gln	Tyr	Phe	Val	Gln	Trp	Cys	Ala	Asp	Arg
				565				570						575	
Asn	Phe	Thr	Lys	Pro	Gln	Asp	Gly	Asp	Val	Ile	Ala	Pro	Leu	Ile	Thr
			580				585						590		

Pro Gln Lys Lys Glu Trp Asn Asp Ser Thr Ser Val Gln Asn Pro Thr
595 600 605

Arg Leu Arg Glu Ala Ser Lys Ser Arg Val Gln Leu Phe Lys Asp Asp
610 615 620

Pro Met
625

<210> 2201
<211> 245
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2201
Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
1 5 10 15

Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
20 25 30

Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
35 40 45

Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
50 55 60

Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
65 70 75 80

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
85 90 95

Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
100 105 110

Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Xaa
115 120 125

Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
130 135 140

Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
145 150 155 160

Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 165 170 175
 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 180 185 190
 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 195 200 205
 Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 210 215 220
 His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 225 230 235 240
 Ile Phe Pro Ser Ala
 245

<210> 2202
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 2202
 Met Gly Val Asn Lys Val Leu Phe Thr Phe Phe Phe Phe Ser Ser Leu
 1 5 10 15
 Leu Asp Gly Val Gly Thr Ser His Ser Leu Ala Ser Phe Pro His Thr
 20 25 30

<210> 2203
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400> 2203
 Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15
 Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
 20 25 30
 Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
 35 40 45

Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
 50 55 60
 Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
 65 70 75 80
 Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
 85 90 95
 Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
 100 105 110
 Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
 115 120 125
 Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 130 135 140
 Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 145 150 155 160
 Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 165 170 175
 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 180 185 190
 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 195 200 205
 Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 210 215 220
 His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 225 230 235 240
 Ile Phe Pro Ser Ala
 245

<210> 2204

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2204

Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15

Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys

Met	Glu	Gly	Pro	Arg	Gly	Trp	Leu	Val	Leu	Cys	Val	Leu	Ala	Ile	Ser		
1				5					10					15			
Leu	Ala	Ser	Met	Val	Thr	Glu	Asp	Leu	Cys	Arg	Ala	Pro	Asp	Gly	Lys		
			20					25					30				
Lys	Gly	Glu	Ala	Gly	Arg	Pro	Gly	Arg	Arg	Gly	Arg	Pro	Gly	Leu	Lys		
		35					40					45					
Gly	Glu	Gln	Gly	Glu	Pro	Gly	Ala	Pro	Gly	Ile	Arg	Thr	Gly	Ile	Gln		
	50					55					60						
Gly	Leu	Lys	Gly	Asp	Gln	Gly	Glu	Pro	Gly	Pro	Ser	Gly	Asn	Pro	Gly		
65					70					75					80		
Lys	Val	Gly	Tyr	Pro	Gly	Pro	Ser	Gly	Pro	Leu	Gly	Ala	Arg	Gly	Ile		
				85					90					95			
Pro	Gly	Ile	Lys	Gly	Thr	Lys	Gly	Ser	Pro	Gly	Asn	Ile	Lys	Asp	Gln		
			100					105					110				
Pro	Arg	Pro	Ala	Phe	Ser	Ala	Ile	Arg	Arg	Asn	Pro	Pro	Met	Gly	Gly		
		115					120					125					
Asn	Val	Val	Ile	Phe	Asp	Thr	Val	Ile	Thr	Asn	Gln	Glu	Glu	Pro	Tyr		
	130					135					140						
Gln	Asn	His	Ser	Gly	Arg	Phe	Val	Cys	Thr	Val	Pro	Gly	Tyr	Tyr	Tyr		
145					150					155					160		
Phe	Thr	Phe	Gln	Val	Leu	Ser	Gln	Trp	Glu	Ile	Cys	Leu	Ser	Ile	Val		
			165						170					175			
Ser	Ser	Ser	Arg	Gly	Gln	Val	Arg	Arg	Ser	Leu	Gly	Phe	Cys	Asp	Thr		
			180					185					190				
Thr	Asn	Lys	Gly	Leu	Phe	Gln	Val	Val	Ser	Gly	Gly	Met	Val	Leu	Gln		
	195						200					205					
Leu	Gln	Gln	Gly	Asp	Gln	Val	Trp	Val	Glu	Lys	Asp	Pro	Lys	Lys	Gly		
	210					215					220						
His	Ile	Tyr	Gln	Gly	Ser	Glu	Ala	Asp	Ser	Val	Phe	Ser	Gly	Phe	Leu		
225					230					235					240		
Ile	Phe	Pro	Ser	Ala													
				245													

<210> 2206

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2206

Met	Glu	Gly	Pro	Arg	Gly	Trp	Leu	Val	Leu	Cys	Val	Leu	Ala	Ile	Ser	
1				5					10					15		
Leu	Ala	Ser	Met	Val	Thr	Glu	Asp	Leu	Cys	Arg	Ala	Pro	Asp	Gly	Lys	
			20					25					30			
Lys	Gly	Glu	Ala	Gly	Arg	Pro	Gly	Arg	Arg	Gly	Arg	Pro	Gly	Leu	Lys	
		35					40					45				
Gly	Glu	Gln	Gly	Glu	Pro	Gly	Ala	Pro	Gly	Ile	Arg	Thr	Gly	Ile	Gln	
	50					55					60					
Gly	Leu	Lys	Gly	Asp	Gln	Gly	Glu	Pro	Gly	Pro	Ser	Gly	Asn	Pro	Gly	
65					70					75					80	
Lys	Val	Gly	Tyr	Pro	Gly	Pro	Ser	Gly	Pro	Leu	Gly	Ala	Arg	Gly	Ile	
				85					90						95	
Pro	Gly	Ile	Lys	Gly	Thr	Lys	Gly	Ser	Pro	Gly	Asn	Ile	Lys	Asp	Gln	
			100					105					110			
Pro	Arg	Pro	Ala	Phe	Ser	Ala	Ile	Arg	Arg	Asn	Pro	Pro	Met	Gly	Gly	
		115					120					125				
Asn	Val	Val	Ile	Phe	Asp	Thr	Val	Ile	Thr	Asn	Gln	Glu	Glu	Pro	Tyr	
	130					135					140					
Gln	Asn	His	Ser	Gly	Arg	Phe	Val	Cys	Thr	Val	Pro	Gly	Tyr	Tyr	Tyr	
145					150					155					160	
Phe	Thr	Phe	Gln	Val	Leu	Ser	Gln	Trp	Glu	Ile	Cys	Leu	Ser	Ile	Val	
				165					170					175		
Ser	Ser	Ser	Arg	Gly	Gln	Val	Arg	Arg	Ser	Leu	Gly	Phe	Cys	Asp	Thr	
			180					185					190			
Thr	Asn	Lys	Gly	Leu	Phe	Gln	Val	Val	Ser	Gly	Gly	Met	Val	Leu	Gln	
		195					200					205				
Leu	Gln	Gln	Gly	Asp	Gln	Val	Trp	Val	Glu	Lys	Asp	Pro	Lys	Lys	Gly	
	210					215					220					
His	Ile	Tyr	Gln	Gly	Ser	Glu	Ala	Asp	Ser	Val	Phe	Ser	Gly	Phe	Leu	
225					230					235					240	
Ile	Phe	Pro	Ser	Ala												
				245												

<210> 2207
 <211> 229
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2207
 Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15
 Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
 20 25 30
 Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Xaa Lys
 35 40 45
 Xaa Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
 50 55 60
 Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
 65 70 75 80
 Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
 85 90 95
 Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
 100 105 110
 Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 115 120 125
 Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 130 135 140
 Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 145 150 155 160
 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 165 170 175
 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln

180	185	190
Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly		
195	200	205
His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu		
210	215	220
Ile Phe Pro Ser Ala		
225		

<210> 2208

<211> 207

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2208

Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
1 5 10 15

Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
20 25 30

Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
35 40 45

Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
50 55 60

Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Xaa Gly Xaa Ala Glu Ile
65 70 75 80

Pro Val Ser Val His Gly His Ser Ala Asp Pro Pro Ala Pro Cys Thr
85 90 95

Gln Gln Pro Asp Gln Ile Gln Arg Gly Pro His Gln Pro Ala Glu Xaa
100 105 110

Tyr Asp Thr Ser Thr Gly Lys Phe Thr Cys Lys Val Pro Gly Leu Tyr
115 120 125

Tyr Phe Val Tyr His Ala Ser His Thr Ala Asn Leu Cys Val Leu Leu
130 135 140

Tyr Arg Ser Gly Val Lys Val Val Thr Phe Cys Gly His Thr Ser Lys
145 150 155 160

Thr Asn Gln Val Asn Ser Gly Gly Val Leu Leu Arg Leu Gln Val Gly
165 170 175

Glu Glu Val Trp Leu Ala Val Asn Asp Tyr Tyr Asp Met Val Gly Ile
180 185 190

Gln Gly Ser Asp Ser Val Phe Ser Gly Phe Leu Leu Phe Pro Asp
195 200 205

<210> 2209

<211> 235

<212> PRT

<213> Homo sapiens

<400> 2209

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
1 5 10 15

Leu Arg Gly Ala Arg Cys Asp Met Gln Met Thr Gln Ser Pro Ser Ser
20 25 30

Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Thr Ser
35 40 45

Gln Ser Ile Gly Lys Phe Leu Asn Trp Tyr Gln Gln Lys Pro Gly Gln
50 55 60

Ala Pro Lys Leu Leu Ile Ser Gly Ala Ser Ile Leu Gln Thr Gly Val
65 70 75 80

Pro Ser Arg Phe Ser Gly Ser Gly Ser Ala Thr Tyr Phe Thr Leu Thr
85 90 95

Ile Asn Asp Leu His Pro Glu Asp Ser Ala Thr Tyr Tyr Cys Gln Gln
100 105 110

Asp Tyr Thr Thr Pro Leu Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
115 120 125

Arg	Thr	Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser	Asp	Glu
130						135					140				
Gln	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	Leu	Asn	Asn	Phe
145					150					155					160
Tyr	Pro	Arg	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn	Ala	Leu	Gln
				165					170					175	
Ser	Gly	Asn	Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	Ser	Lys	Asp	Ser
			180					185					190		
Thr	Tyr	Ser	Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	Ala	Asp	Tyr	Glu
		195					200					205			
Lys	His	Lys	Val	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser	Ser
	210					215					220				
Pro	Val	Thr	Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys					
225					230					235					

<210> 2210

<211> 234

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2210

Met	Arg	Val	Pro	Ala	Gln	Leu	Leu	Gly	Leu	Leu	Leu	Leu	Trp	Leu	Ser
1				5				10						15	
Gly	Ala	Arg	Cys	Asp	Ile	Gln	Leu	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser
			20					25					30		
Ala	Ser	Leu	Gly	Asp	Ser	Val	Thr	Ile	Thr	Cys	Gln	Ala	Ser	Gln	Asp
		35					40				45				
Ile	Ala	Asn	Tyr	Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Pro	Pro
	50					55					60				
Lys	Leu	Val	Ile	Phe	Asp	Gly	Ser	Ile	Leu	His	Thr	Gly	Val	Pro	Ser
65					70					75				80	
Arg	Phe	Ser	Gly	Gly	Gly	Ser	Gly	Thr	His	Phe	Thr	Phe	Thr	Ile	Asn
				85					90					95	

Asn Leu Gln Pro Asp Asp Val Ala Thr Tyr Ser Cys Gln Gln Tyr Asn
 100 105 110
 Thr Phe Pro Leu Thr Phe Gly Xaa Gly Thr Lys Val Glu Ile Lys Arg
 115 120 125
 Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln
 130 135 140
 Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr
 145 150 155 160
 Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser
 165 170 175
 Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
 180 185 190
 Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys
 195 200 205
 His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro
 210 215 220
 Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
 225 230

<210> 2211
 <211> 206
 <212> PRT
 <213> Homo sapiens

<400> 2211

Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 20 25 30
 Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45
 Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
 50 55 60
 Ile Pro Gly Ile Arg Gly Pro Lys Gly Arg Tyr Lys Gln Lys Phe Gln
 65 70 75 80
 Ser Val Phe Thr Val Thr Arg Gln Thr His Gln Pro Pro Ala Pro Asn

Arg	Tyr	Lys	Gln	Lys	Phe	Gln	Ser	Val	Phe	Thr	Val	Thr	Arg	Gln	Thr
		115					120					125			
His	Gln	Pro	Pro	Ala	Pro	Asn	Ser	Leu	Ile	Arg	Phe	Asn	Ala	Val	Leu
	130					135					140				
Thr	Asn	Pro	Gln	Glu	Ile	Met	Thr	Arg	Ala	Leu	Ala	Ser	Ser	Pro	Ala
145					150					155					160
Lys	Ser	Pro	Ala	Ser	Thr	Thr	Leu	Ser	Thr	Thr	Arg	Arg	Ile	Gln	Pro
				165					170					175	
Thr	Cys	Ala	Cys	Cys	Cys	Thr	Ala	Ala	Ala	Ser	Lys	Trp	Ser	Pro	Ser
			180					185					190		
Val	Ala	Thr	Arg	Pro	Lys	Pro	Ile	Arg	Ser	Thr	Arg	Ala	Val	Cys	Cys
	195						200					205			

<210> 2213
 <211> 263
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Cys	Leu	Leu	Gly	Gly	Leu	Ser	Ala	Pro	Pro	Leu	Leu	Leu	Leu	Pro
1				5					10					15	
Leu	Leu	Pro	Leu	Leu	Leu	Cys	Pro	Pro	Thr	Xaa	Gln	Gly	Asp	Cys	Ser
			20					25					30		
Phe	Pro	Pro	Glu	Leu	Pro	Asn	Ala	Ile	Gln	Ser	Val	Gly	Asp	Gln	Gln
		35					40					45			
Ser	Phe	Pro	Glu	Lys	Phe	Thr	Val	Thr	Tyr	Lys	Cys	Lys	Glu	Gly	Phe
	50					55					60				
Val	Lys	Val	Pro	Gly	Lys	Ala	Asp	Ser	Val	Val	Cys	Leu	Asn	Asn	Lys

65					70						75				80
Trp	Ser	Glu	Val	Ala	Glu	Phe	Cys	Asn	Arg	Ser	Cys	Asp	Val	Pro	Thr
				85					90					95	
Arg	Leu	Gln	Phe	Ala	Ser	Leu	Lys	Lys	Ser	Phe	Thr	Lys	Gln	Asn	Xaa
			100					105					110		
Phe	Pro	Val	Gly	Ser	Val	Val	Glu	Tyr	Glu	Cys	Arg	Pro	Gly	Tyr	Gln
		115					120					125			
Arg	Asp	His	Leu	Leu	Ser	Gly	Lys	Leu	Thr	Cys	Leu	Leu	Asn	Phe	Thr
	130					135					140				
Trp	Ser	Lys	Pro	Asp	Glu	Phe	Cys	Lys	Arg	Lys	Ser	Cys	Pro	Asn	Pro
145					150					155					160
Gly	Asp	Leu	Arg	His	Gly	His	Val	Asn	Ile	Pro	Thr	Asp	Ile	Leu	Tyr
				165					170					175	
Ala	Ala	Val	Ile	His	Phe	Ser	Cys	Asn	Lys	Gly	Tyr	Arg	Leu	Val	Gly
			180					185					190		
Ala	Ala	Ser	Ser	Tyr	Cys	Ser	Ile	Val	Asn	Asp	Asp	Val	Gly	Trp	Ser
		195					200					205			
Asp	Pro	Leu	Pro	Glu	Cys	Gln	Glu	Ile	Phe	Cys	Pro	Glu	Pro	Pro	Lys
	210					215					220				
Ile	Ser	Asn	Gly	Val	Ile	Leu	Asp	Gln	Gln	Asn	Thr	Tyr	Val	Tyr	Gln
225					230					235					240
Gln	Ala	Val	Lys	Tyr	Glu	Cys	Ile	Lys	Gly	Phe	Thr	Leu	Ile	Gly	Glu
				245					250					255	
Asn	Ser	Asp	Leu	Leu	Tyr	Cys									
			260												

<210> 2214

<211> 55

<212> PRT

<213> Homo sapiens

<400> 2214

Met	Cys	Leu	Leu	Gly	Gly	Leu	Ser	Ala	Pro	Pro	Leu	Leu	Leu	Leu	Pro
1				5					10					15	

Leu	Leu	Pro	Leu	Leu	Leu	Cys	Pro	Pro	Thr	Gly	Arg	Val	Thr	Ala	Ala
			20				25						30		

Phe Pro Gln Ser Tyr Leu Met Pro Tyr Lys Val Trp Val Thr Asn Arg
35 40 45

Val Phe Leu Lys Asn Ser Gln
50 55

<210> 2215
<211> 350
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2215
Met Ala Xaa Xaa Val Val Leu Leu Ala Leu Val Ala Gly Val Leu Gly
1 5 10 15

Asn Glu Phe Ser Ile Leu Lys Ser Pro Gly Ser Val Val Phe Arg Asn
20 25 30

Gly Asn Trp Pro Ile Pro Gly Glu Arg Ile Pro Asp Val Ala Ala Leu
35 40 45

Ser Met Gly Phe Ser Val Lys Glu Asp Leu Ser Trp Pro Gly Leu Ala
50 55 60

Val Gly Asn Leu Phe His Arg Pro Arg Ala Thr Val Met Val Met Val
65 70 75 80

Lys Gly Val Asn Lys Leu Ala Leu Pro Pro Gly Ser Val Ile Ser Tyr
85 90 95

Pro Leu Glu Asn Ala Val Pro Phe Ser Leu Asp Ser Val Ala Asn Ser
100 105 110

Ile His Ser Leu Phe Ser Glu Glu Thr Pro Val Val Leu Gln Leu Ala
115 120 125

Pro Ser Glu Glu Arg Val Tyr Met Val Gly Lys Ala Asn Ser Val Phe
130 135 140

Glu Asp Leu Ser Val Thr Leu Arg Gln Leu Arg Asn Arg Leu Phe Gln

145		150		155		160
Glu Asn Ser Val	Leu Ser Ser Leu Pro	Leu Asn Ser Leu Ser	Arg Asn			
	165	170	175			
Asn Glu Val Asp	Leu Leu Phe Leu Ser	Glu Leu Gln Val	Leu His Asp			
	180	185	190			
Ile Ser Ser Leu	Leu Ser Arg His	Lys His Leu Ala	Lys Asp His Ser			
	195	200	205			
Pro Asp Leu Tyr	Ser Leu Glu Leu Ala	Gly Leu Asp Glu	Ile Gly Lys			
	210	215	220			
Arg Tyr Gly Glu	Asp Ser Glu Gln Phe	Arg Asp Ala Ser	Lys Ile Leu			
225	230	235	240			
Val Asp Ala Leu	Gln Lys Phe Ala Asp	Asp Met Tyr Ser	Leu Tyr Gly			
	245	250	255			
Gly Asn Ala Val	Val Glu Leu Val Thr	Val Lys Ser Phe	Asp Thr Ser			
	260	265	270			
Leu Ile Arg Lys	Thr Arg Thr Ile	Leu Glu Ala Lys	Gln Ala Lys Asn			
	275	280	285			
Pro Ala Ser Pro	Tyr Asn Leu Ala Tyr	Lys Tyr Asn Phe	Glu Tyr Ser			
	290	295	300			
Val Val Phe Asn	Met Val Leu Trp Ile	Met Ile Ala Leu	Ala Leu Ala			
305	310	315	320			
Val Ile Ile Thr	Ser Tyr Asn Ile Trp	Asn Met Asp Pro	Gly Tyr Asp			
	325	330	335			
Ser Ile Ile Tyr	Arg Met Thr Asn	Gln Lys Ile Arg	Met Asp			
	340	345	350			

<210> 2216

<211> 350

<212> PRT

<213> Homo sapiens

<400> 2216

Met Ala Val Phe	Val Val Leu Leu	Ala Leu Val	Ala Gly Val	Leu Gly
1	5	10	15	

Asn Glu Phe Ser	Ile Leu Lys Ser	Pro Gly Ser	Val Val Phe	Arg Asn
20	25	30		

Gly	Asn	Trp	Pro	Ile	Pro	Gly	Glu	Arg	Ile	Pro	Asp	Val	Ala	Ala	Leu	
		35					40					45				
Ser	Met	Gly	Phe	Ser	Val	Lys	Glu	Asp	Leu	Ser	Trp	Pro	Gly	Leu	Ala	
	50					55					60					
Val	Gly	Asn	Leu	Phe	His	Arg	Pro	Arg	Ala	Thr	Val	Met	Val	Met	Val	
	65				70					75					80	
Lys	Gly	Val	Asn	Lys	Leu	Ala	Leu	Pro	Pro	Gly	Ser	Val	Ile	Ser	Tyr	
				85					90					95		
Pro	Leu	Glu	Asn	Ala	Val	Pro	Phe	Ser	Leu	Asp	Ser	Val	Ala	Asn	Ser	
			100					105					110			
Ile	His	Ser	Leu	Phe	Ser	Glu	Glu	Thr	Pro	Val	Val	Leu	Gln	Leu	Ala	
		115					120					125				
Pro	Ser	Glu	Glu	Arg	Val	Tyr	Met	Val	Gly	Lys	Ala	Asn	Ser	Val	Phe	
	130					135					140					
Glu	Asp	Leu	Ser	Val	Thr	Leu	Arg	Gln	Leu	Arg	Asn	Arg	Leu	Phe	Gln	
	145				150					155					160	
Glu	Asn	Ser	Val	Leu	Ser	Ser	Leu	Pro	Leu	Asn	Ser	Leu	Ser	Arg	Asn	
				165				170						175		
Asn	Glu	Val	Asp	Leu	Leu	Phe	Leu	Ser	Glu	Leu	Gln	Val	Leu	His	Asp	
			180					185					190			
Ile	Ser	Ser	Leu	Leu	Ser	Arg	His	Lys	His	Leu	Ala	Lys	Asp	His	Ser	
		195					200					205				
Pro	Asp	Leu	Tyr	Ser	Leu	Glu	Leu	Ala	Gly	Leu	Asp	Glu	Ile	Gly	Lys	
	210					215					220					
Arg	Tyr	Gly	Glu	Asp	Ser	Glu	Gln	Phe	Arg	Asp	Ala	Ser	Lys	Ile	Leu	
	225				230					235					240	
Val	Asp	Ala	Leu	Gln	Lys	Phe	Ala	Asp	Asp	Met	Tyr	Ser	Leu	Tyr	Gly	
				245					250					255		
Gly	Asn	Ala	Val	Val	Glu	Leu	Val	Thr	Val	Lys	Ser	Phe	Asp	Thr	Ser	
			260					265					270			
Leu	Ile	Arg	Lys	Thr	Arg	Thr	Ile	Leu	Glu	Ala	Lys	Gln	Ala	Lys	Asn	
		275					280					285				
Pro	Ala	Ser	Pro	Tyr	Asn	Leu	Ala	Tyr	Lys	Tyr	Asn	Phe	Glu	Tyr	Ser	
	290					295					300					
Val	Val	Phe	Asn	Met	Val	Leu	Trp	Ile	Met	Ile	Ala	Leu	Ala	Leu	Ala	

Cys Thr Gln Phe Lys Met Ala Gln Val Glu Ile Gln Ser Ser Glu Ala
 145 150 155 160

Ala Ser Gln Phe Tyr Pro Leu
 165

<210> 2218
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 2218
 Met Glu Phe Pro Gly Ala Asp Gly Cys Asn Gln Val Asp Ala Glu Tyr
 1 5 10 15

Leu Lys Val Gly Ser Glu Gly His Phe Arg Val Pro Ala Leu Gly Tyr
 20 25 30

Leu Asp Val Arg Ile Val Asp Thr Asp Tyr Ser Ser Phe Ala Val Leu
 35 40 45

Tyr Ile Tyr Lys Glu Leu Glu Gly Ala Leu Ser Thr Met Val Gln Leu
 50 55 60

Tyr Ser Arg Thr Gln Asp Val Ser Pro Gln Ala Leu Lys Ala Phe Gln
 65 70 75 80

Asp Phe Tyr Pro Thr Leu Gly Leu Pro Glu Asp Met Met Val Met Leu
 85 90 95

Pro Gln Ser Asp Ala Cys Asn Pro Glu Ser Lys Glu Ala Pro
 100 105 110

<210> 2219
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (101)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2219

Ile Ser Leu Leu Trp Asn Leu Trp Gln Ser Val Lys Ile Gly Cys Gly
1 5 10 15

Glu Lys Leu Tyr Pro Gly His Thr Lys Asp Ser Arg Asn His Leu Gly
20 25 30

Gln Asn Leu Ser Phe Leu His Phe Ile Tyr Leu Phe Pro Pro Pro His
35 40 45

Ser Thr His Thr Leu Pro Thr Ser Ser Thr Ser Thr Phe Lys His Lys
50 55 60

Asp Val Arg Val Phe Ser Leu Ser Val Ser Trp Arg Thr Gly Cys Trp
65 70 75 80

Glu Arg Lys Gly Gln Met Ser Lys Gly Gly Cys Arg Ala Gly Gln Ala
85 90 95

Asp Ser Gly Gly Xaa Leu Glu Glu Leu Xaa Pro Ser Gln Thr Trp Val
100 105 110

Ser Lys Thr
115

<210> 2220

<211> 262

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (254)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2220

Met Glu Cys Cys Arg Arg Ala Thr Pro Gly Thr Leu Leu Leu Phe Leu
1 5 10 15

Ala Phe Leu Leu Leu Ser Ser Arg Thr Ala Arg Ser Glu Glu Asp Arg
20 25 30

Asp Gly Leu Trp Asp Ala Trp Gly Pro Trp Ser Glu Cys Ser Arg Thr
35 40 45

Cys Gly Gly Gly Ala Ser Tyr Ser Leu Arg Arg Cys Leu Ser Ser Lys
50 55 60

Ser Cys Glu Gly Arg Asn Ile Arg Tyr Arg Thr Cys Ser Asn Val Asp

65					70					75				80	
Cys	Pro	Pro	Glu	Ala	Gly	Asp	Phe	Arg	Ala	Gln	Gln	Cys	Ser	Ala	His
				85					90					95	
Asn	Asp	Val	Lys	His	His	Gly	Gln	Phe	Tyr	Glu	Trp	Leu	Pro	Val	Ser
			100					105					110		
Asn	Asp	Pro	Asp	Asn	Pro	Cys	Ser	Leu	Lys	Cys	Gln	Ala	Lys	Gly	Thr
		115					120					125			
Thr	Leu	Val	Val	Glu	Leu	Ala	Pro	Lys	Val	Leu	Asp	Gly	Thr	Arg	Cys
	130					135					140				
Tyr	Thr	Glu	Ser	Leu	Asp	Met	Cys	Ile	Ser	Gly	Leu	Cys	Gln	Ile	Val
145					150					155					160
Gly	Cys	Asp	His	Gln	Leu	Gly	Ser	Thr	Val	Lys	Glu	Asp	Asn	Cys	Gly
				165					170					175	
Val	Cys	Asn	Gly	Asp	Gly	Ser	Thr	Cys	Arg	Leu	Val	Arg	Gly	Gln	Tyr
			180					185					190		
Lys	Ser	Gln	Leu	Ser	Ala	Thr	Lys	Ser	Asp	Asp	Thr	Val	Val	Ala	Ile
		195					200					205			
Pro	Tyr	Gly	Ser	Arg	His	Ile	Arg	Leu	Val	Leu	Lys	Gly	Pro	Asp	His
	210					215					220				
Leu	Tyr	Leu	Glu	Thr	Lys	Thr	Leu	Gln	Gly	Thr	Lys	Gly	Glu	Asn	Ser
225					230					235					240
Leu	Ser	Ser	Thr	Gly	Thr	Phe	Leu	Val	Asp	Asn	Ser	Ser	Xaa	Thr	Ser
				245					250					255	
Arg	Asn	Phe	Gln	Thr	Lys										
			260												

<210> 2221

<211> 514

<212> PRT

<213> Homo sapiens

<400> 2221

Glu	Leu	Cys	Arg	Gln	Pro	Lys	Pro	Ser	Thr	Val	Gln	Ala	Cys	Asn	Arg
1				5					10					15	

Phe	Asn	Cys	Pro	Pro	Ala	Trp	Tyr	Pro	Ala	Gln	Trp	Gln	Pro	Cys	Ser
			20					25					30		

Arg	Thr	Cys	Gly	Gly	Gly	Val	Gln	Lys	Arg	Glu	Val	Leu	Cys	Lys	Gln	
		35					40					45				
Arg	Met	Ala	Asp	Gly	Ser	Phe	Leu	Glu	Leu	Pro	Glu	Thr	Phe	Cys	Ser	
	50					55					60					
Ala	Ser	Lys	Pro	Ala	Cys	Gln	Gln	Ala	Cys	Lys	Lys	Asp	Asp	Cys	Pro	
65					70					75					80	
Ser	Glu	Trp	Leu	Leu	Ser	Asp	Trp	Thr	Glu	Cys	Ser	Thr	Ser	Cys	Gly	
			85						90					95		
Glu	Gly	Thr	Gln	Thr	Arg	Ser	Ala	Ile	Cys	Arg	Lys	Met	Leu	Lys	Thr	
			100					105					110			
Gly	Leu	Ser	Thr	Val	Val	Asn	Ser	Thr	Leu	Cys	Pro	Pro	Leu	Pro	Phe	
		115					120					125				
Ser	Ser	Ser	Ile	Arg	Pro	Cys	Met	Leu	Ala	Thr	Cys	Ala	Arg	Pro	Gly	
	130					135					140					
Arg	Pro	Ser	Thr	Lys	His	Ser	Pro	His	Ile	Ala	Ala	Ala	Arg	Lys	Val	
145					150					155					160	
Tyr	Ile	Gln	Thr	Arg	Arg	Gln	Arg	Lys	Leu	His	Phe	Val	Val	Gly	Gly	
				165					170					175		
Phe	Ala	Tyr	Leu	Leu	Pro	Lys	Thr	Ala	Val	Val	Leu	Arg	Cys	Pro	Ala	
			180					185					190			
Arg	Arg	Val	Arg	Lys	Pro	Leu	Ile	Thr	Trp	Glu	Lys	Asp	Gly	Gln	His	
		195					200					205				
Leu	Ile	Ser	Ser	Thr	His	Val	Thr	Val	Ala	Pro	Phe	Gly	Tyr	Leu	Lys	
	210					215					220					
Ile	His	Arg	Leu	Lys	Pro	Ser	Asp	Ala	Gly	Val	Tyr	Thr	Cys	Ser	Ala	
225					230					235					240	
Gly	Pro	Ala	Arg	Glu	His	Phe	Val	Ile	Lys	Leu	Ile	Gly	Gly	Asn	Arg	
				245					250					255		
Lys	Leu	Val	Ala	Arg	Pro	Leu	Ser	Pro	Arg	Ser	Glu	Glu	Glu	Val	Leu	
			260					265					270			
Ala	Gly	Arg	Lys	Gly	Gly	Pro	Lys	Glu	Ala	Leu	Gln	Thr	His	Lys	His	
		275					280					285				
Gln	Asn	Gly	Ile	Phe	Ser	Asn	Gly	Ser	Lys	Ala	Glu	Lys	Arg	Gly	Leu	
	290					295					300					
Ala	Ala	Asn	Pro	Gly	Ser	Arg	Tyr	Asp	Asp	Leu	Val	Ser	Arg	Leu	Leu	

305					310						315				320
Glu	Gln	Gly	Gly	Trp	Pro	Gly	Glu	Leu	Leu	Ala	Ser	Trp	Glu	Ala	Gln
				325					330					335	
Asp	Ser	Ala	Glu	Arg	Asn	Thr	Thr	Ser	Glu	Glu	Asp	Pro	Gly	Ala	Glu
			340					345					350		
Gln	Val	Leu	Leu	His	Leu	Pro	Phe	Thr	Met	Val	Thr	Glu	Gln	Arg	Arg
		355					360					365			
Leu	Asp	Asp	Ile	Leu	Gly	Asn	Leu	Ser	Gln	Gln	Pro	Glu	Glu	Leu	Arg
	370					375					380				
Asp	Leu	Tyr	Ser	Lys	His	Leu	Val	Ala	Gln	Leu	Ala	Gln	Glu	Ile	Phe
385					390					395					400
Arg	Ser	His	Leu	Glu	His	Gln	Asp	Thr	Leu	Leu	Lys	Pro	Ser	Glu	Arg
				405					410					415	
Arg	Thr	Ser	Pro	Val	Thr	Leu	Ser	Pro	His	Lys	His	Val	Ser	Gly	Phe
			420					425					430		
Ser	Ser	Ser	Leu	Arg	Thr	Ser	Ser	Thr	Gly	Asp	Ala	Gly	Gly	Gly	Ser
		435					440					445			
Arg	Arg	Pro	His	Arg	Lys	Pro	Thr	Ile	Leu	Arg	Lys	Ile	Ser	Ala	Ala
	450					455					460				
Gln	Gln	Leu	Ser	Ala	Ser	Glu	Val	Val	Thr	His	Leu	Gly	Gln	Thr	Val
465					470					475					480
Ala	Leu	Ala	Ser	Gly	Thr	Leu	Ser	Val	Phe	Cys	Thr	Val	Arg	Pro	Ser
				485					490					495	
Ala	Thr	Gln	Gly	Leu	Pro	Ser	Ala	Gly	Pro	Gly	Met	Glu	Lys	Lys	Ser
			500					505					510		
Val	Gln														

<210> 2222

<211> 1745

<212> PRT

<213> Homo sapiens

<400> 2222

Met	Glu	Cys	Cys	Arg	Arg	Ala	Thr	Pro	Gly	Thr	Leu	Leu	Leu	Phe	Leu
1				5					10					15	

Ala	Phe	Leu	Leu	Leu	Ser	Ser	Arg	Thr	Ala	Arg	Ser	Glu	Glu	Asp	Arg	20	25	30
Asp	Gly	Leu	Trp	Asp	Ala	Trp	Gly	Pro	Trp	Ser	Glu	Cys	Ser	Arg	Thr	35	40	45
Cys	Gly	Gly	Gly	Ala	Ser	Tyr	Ser	Leu	Arg	Arg	Cys	Leu	Ser	Ser	Lys	50	55	60
Ser	Cys	Glu	Gly	Arg	Asn	Ile	Arg	Tyr	Arg	Thr	Cys	Ser	Asn	Val	Asp	65	70	75
Cys	Pro	Pro	Glu	Ala	Gly	Asp	Phe	Arg	Ala	Gln	Gln	Cys	Ser	Ala	His	85	90	95
Asn	Asp	Val	Lys	His	His	Gly	Gln	Phe	Tyr	Glu	Trp	Leu	Pro	Val	Ser	100	105	110
Asn	Asp	Pro	Asp	Asn	Pro	Cys	Ser	Leu	Lys	Cys	Gln	Ala	Lys	Gly	Thr	115	120	125
Thr	Leu	Val	Val	Glu	Leu	Ala	Pro	Lys	Val	Leu	Asp	Gly	Thr	Arg	Cys	130	135	140
Tyr	Thr	Glu	Ser	Leu	Asp	Met	Cys	Ile	Ser	Gly	Leu	Cys	Gln	Ile	Val	145	150	155
Gly	Cys	Asp	His	Gln	Leu	Gly	Ser	Thr	Val	Lys	Glu	Asp	Asn	Cys	Gly	165	170	175
Val	Cys	Asn	Gly	Asp	Gly	Ser	Thr	Cys	Arg	Leu	Val	Arg	Gly	Gln	Tyr	180	185	190
Lys	Ser	Gln	Leu	Ser	Ala	Thr	Lys	Ser	Asp	Asp	Thr	Val	Val	Ala	Ile	195	200	205
Pro	Tyr	Gly	Ser	Arg	His	Ile	Arg	Leu	Val	Leu	Lys	Gly	Pro	Asp	His	210	215	220
Leu	Tyr	Leu	Glu	Thr	Lys	Thr	Leu	Gln	Gly	Thr	Lys	Gly	Glu	Asn	Ser	225	230	235
Leu	Ser	Ser	Thr	Gly	Thr	Phe	Leu	Val	Asp	Asn	Ser	Ser	Val	Asp	Phe	245	250	255
Gln	Lys	Phe	Pro	Asp	Lys	Glu	Ile	Leu	Arg	Met	Ala	Gly	Pro	Leu	Thr	260	265	270
Ala	Asp	Phe	Ile	Val	Lys	Ile	Arg	Asn	Ser	Gly	Ser	Ala	Asp	Ser	Thr	275	280	285
Val	Gln	Phe	Ile	Phe	Tyr	Gln	Pro	Ile	Ile	His	Arg	Trp	Arg	Glu	Thr			

290		295		300
Asp Phe Phe Pro Cys Ser Ala Thr Cys Gly Gly Gly Tyr Gln Leu Thr				
305		310		315 320
Ser Ala Glu Cys Tyr Asp Leu Arg Ser Asn Arg Val Val Ala Asp Gln				
	325		330	335
Tyr Cys His Tyr Tyr Pro Glu Asn Ile Lys Pro Lys Pro Lys Leu Gln				
	340		345	350
Glu Cys Asn Leu Asp Pro Cys Pro Ala Arg Trp Glu Ala Thr Pro Trp				
	355		360	365
Thr Ala Cys Ser Ser Ser Cys Gly Gly Gly Ile Gln Ser Arg Ala Val				
	370		375	380
Ser Cys Val Glu Glu Asp Ile Gln Gly His Val Thr Ser Val Glu Glu				
385		390		395 400
Trp Lys Cys Met Tyr Thr Pro Lys Met Pro Ile Ala Gln Pro Cys Asn				
	405		410	415
Ile Phe Asp Cys Pro Lys Trp Leu Ala Gln Glu Trp Ser Pro Cys Thr				
	420		425	430
Val Thr Cys Gly Gln Gly Leu Arg Tyr Arg Val Val Leu Cys Ile Asp				
	435		440	445
His Arg Gly Met His Thr Gly Gly Cys Ser Pro Lys Thr Lys Pro His				
	450		455	460
Ile Lys Glu Glu Cys Ile Val Pro Thr Pro Cys Tyr Lys Pro Lys Glu				
465		470		475 480
Lys Leu Pro Val Glu Ala Lys Leu Pro Trp Phe Lys Gln Ala Gln Glu				
	485		490	495
Leu Glu Glu Gly Ala Ala Val Ser Glu Glu Pro Ser Phe Ile Pro Lys				
	500		505	510
Ala Trp Ser Ala Cys Thr Val Thr Cys Gly Val Gly Thr Gln Val Arg				
	515		520	525
Ile Val Arg Cys Gln Val Leu Leu Ser Phe Ser Gln Ser Val Ala Asp				
	530		535	540
Leu Pro Ile Asp Glu Cys Glu Gly Pro Lys Pro Ala Ser Gln Arg Ala				
545		550		555 560
Cys Tyr Ala Gly Pro Cys Ser Gly Glu Ile Pro Glu Phe Asn Pro Asp				
	565		570	575

Glu	Thr	Asp	Gly	Leu	Phe	Gly	Gly	Leu	Gln	Asp	Phe	Asp	Glu	Leu	Tyr		
			580					585					590				
Asp	Trp	Glu	Tyr	Glu	Gly	Phe	Thr	Lys	Cys	Ser	Glu	Ser	Cys	Gly	Gly		
		595					600					605					
Gly	Val	Gln	Glu	Ala	Val	Val	Ser	Cys	Leu	Asn	Lys	Gln	Thr	Arg	Glu		
	610					615					620						
Pro	Ala	Glu	Glu	Asn	Leu	Cys	Val	Thr	Ser	Arg	Arg	Pro	Pro	Gln	Leu		
625					630					635					640		
Leu	Lys	Ser	Cys	Asn	Leu	Asp	Pro	Cys	Pro	Ala	Arg	Trp	Glu	Ile	Gly		
				645					650					655			
Lys	Trp	Ser	Pro	Cys	Ser	Leu	Thr	Cys	Gly	Val	Gly	Leu	Gln	Thr	Arg		
			660					665					670				
Asp	Val	Phe	Cys	Ser	His	Leu	Leu	Ser	Arg	Glu	Met	Asn	Glu	Thr	Val		
		675					680					685					
Ile	Leu	Ala	Asp	Glu	Leu	Cys	Arg	Gln	Pro	Lys	Pro	Ser	Thr	Val	Gln		
	690					695					700						
Ala	Cys	Asn	Arg	Phe	Asn	Cys	Pro	Pro	Ala	Trp	Tyr	Pro	Ala	Gln	Trp		
705					710					715					720		
Gln	Pro	Cys	Ser	Arg	Thr	Cys	Gly	Gly	Gly	Val	Gln	Lys	Arg	Glu	Val		
				725					730					735			
Leu	Cys	Lys	Gln	Arg	Met	Ala	Asp	Gly	Ser	Phe	Leu	Glu	Leu	Pro	Glu		
			740					745					750				
Thr	Phe	Cys	Ser	Ala	Ser	Lys	Pro	Ala	Cys	Gln	Gln	Ala	Cys	Lys	Lys		
		755					760					765					
Asp	Asp	Cys	Pro	Ser	Glu	Trp	Leu	Leu	Ser	Asp	Trp	Thr	Glu	Cys	Ser		
	770					775					780						
Thr	Ser	Cys	Gly	Glu	Gly	Thr	Gln	Thr	Arg	Ser	Ala	Ile	Cys	Arg	Lys		
785					790					795					800		
Met	Leu	Lys	Thr	Gly	Leu	Ser	Thr	Val	Val	Asn	Ser	Thr	Leu	Cys	Pro		
				805					810					815			
Pro	Leu	Pro	Phe	Ser	Ser	Ser	Ile	Arg	Pro	Cys	Met	Leu	Ala	Thr	Cys		
			820					825					830				
Ala	Arg	Pro	Gly	Arg	Pro	Ser	Thr	Lys	His	Ser	Pro	His	Ile	Ala	Ala		
		835					840					845					

Ala Arg Lys Val Tyr Ile Gln Thr Arg Arg Gln Arg Lys Leu His Phe
 850 855 860
 Val Val Gly Gly Phe Ala Tyr Leu Leu Pro Lys Thr Ala Val Val Leu
 865 870 875 880
 Arg Cys Pro Ala Arg Arg Val Arg Lys Pro Leu Ile Thr Trp Glu Lys
 885 890 895
 Asp Gly Gln His Leu Ile Ser Ser Thr His Val Thr Val Ala Pro Phe
 900 905 910
 Gly Tyr Leu Lys Ile His Arg Leu Lys Pro Ser Asp Ala Gly Val Tyr
 915 920 925
 Thr Cys Ser Ala Gly Pro Ala Arg Glu His Phe Val Ile Lys Leu Ile
 930 935 940
 Gly Gly Asn Arg Lys Leu Val Ala Arg Pro Leu Ser Pro Arg Ser Glu
 945 950 955 960
 Glu Glu Val Leu Ala Gly Arg Lys Gly Gly Pro Lys Glu Ala Leu Gln
 965 970 975
 Thr His Lys His Gln Asn Gly Ile Phe Ser Asn Gly Ser Lys Ala Glu
 980 985 990
 Lys Arg Gly Leu Ala Ala Asn Pro Gly Ser Arg Tyr Asp Asp Leu Val
 995 1000 1005
 Ser Arg Leu Leu Glu Gln Gly Gly Trp Pro Gly Glu Leu Leu Ala Ser
 1010 1015 1020
 Trp Glu Ala Gln Asp Ser Ala Glu Arg Asn Thr Thr Ser Glu Glu Asp
 1025 1030 1035 1040
 Pro Gly Ala Glu Gln Val Leu Leu His Leu Pro Phe Thr Met Val Thr
 1045 1050 1055
 Glu Gln Arg Arg Leu Asp Asp Ile Leu Gly Asn Leu Ser Gln Gln Pro
 1060 1065 1070
 Glu Glu Leu Arg Asp Leu Tyr Ser Lys His Leu Val Ala Gln Leu Ala
 1075 1080 1085
 Gln Glu Ile Phe Arg Ser His Leu Glu His Gln Asp Thr Leu Leu Lys
 1090 1095 1100
 Pro Ser Glu Arg Arg Thr Ser Pro Val Thr Leu Ser Pro His Lys His
 1105 1110 1115 1120
 Val Ser Gly Phe Ser Ser Ser Leu Arg Thr Ser Ser Thr Gly Asp Ala

Pro Asn Ile Thr Trp Phe His Gly Gly Gln Pro Ile Val Thr Ala Thr
 1410 1415 1420
 Gly Leu Thr His His Ile Leu Ala Ala Gly Gln Ile Leu Gln Val Ala
 1425 1430 1435 1440
 Asn Leu Ser Gly Gly Ser Gln Gly Glu Phe Ser Cys Leu Ala Gln Asn
 1445 1450 1455
 Glu Ala Gly Val Leu Met Gln Lys Ala Ser Leu Val Ile Gln Asp Tyr
 1460 1465 1470
 Trp Trp Ser Val Asp Arg Leu Ala Thr Cys Ser Ala Ser Cys Gly Asn
 1475 1480 1485
 Arg Gly Val Gln Gln Pro Arg Leu Arg Cys Leu Leu Asn Ser Thr Glu
 1490 1495 1500
 Val Asn Pro Ala His Cys Ala Gly Lys Val Arg Pro Ala Val Gln Pro
 1505 1510 1515 1520
 Ile Ala Cys Asn Arg Arg Asp Cys Pro Ser Arg Trp Met Val Thr Ser
 1525 1530 1535
 Trp Ser Ala Cys Thr Arg Ser Cys Gly Gly Gly Val Gln Thr Arg Arg
 1540 1545 1550
 Val Thr Cys Gln Lys Leu Lys Ala Ser Gly Ile Ser Thr Pro Val Ser
 1555 1560 1565
 Asn Asp Met Cys Thr Gln Val Ala Lys Arg Pro Val Asp Thr Gln Ala
 1570 1575 1580
 Cys Asn Gln Gln Leu Cys Val Glu Trp Ala Phe Ser Ser Trp Gly Gln
 1585 1590 1595 1600
 Cys Asn Gly Pro Cys Ile Gly Pro His Leu Ala Val Gln His Arg Gln
 1605 1610 1615
 Val Phe Cys Gln Thr Arg Asp Gly Ile Thr Leu Pro Ser Glu Gln Cys
 1620 1625 1630
 Ser Ala Leu Pro Arg Pro Val Ser Thr Gln Asn Cys Trp Ser Glu Ala
 1635 1640 1645
 Cys Ser Val His Trp Arg Val Ser Leu Trp Thr Leu Cys Thr Ala Thr
 1650 1655 1660
 Cys Gly Asn Tyr Gly Phe Gln Ser Arg Arg Val Glu Cys Val His Ala
 1665 1670 1675 1680

Arg Thr Asn Lys Ala Val Pro Glu His Leu Cys Ser Trp Gly Pro Arg
1685 1690 1695

Pro Ala Asn Trp Gln Arg Cys Asn Ile Thr Pro Cys Glu Asn Met Glu
1700 1705 1710

Cys Arg Asp Thr Thr Arg Tyr Cys Glu Lys Val Lys Gln Leu Lys Leu
1715 1720 1725

Cys Gln Leu Ser Gln Phe Lys Ser Arg Cys Cys Gly Thr Cys Gly Lys
1730 1735 1740

Ala
1745

<210> 2223
<211> 19
<212> PRT
<213> Homo sapiens

<400> 2223
Glu Cys Cys Glu Thr Ala Ala Pro Pro Gly Pro His Arg Arg Pro Glu
1 5 10 15

Ser Gly Gln

<210> 2224
<211> 363
<212> PRT
<213> Homo sapiens

<400> 2224
Met Ala Ala Val Leu Thr Trp Ala Leu Ala Leu Leu Ser Ala Phe Ser
1 5 10 15

Ala Thr Gln Ala Arg Lys Gly Phe Trp Asp Tyr Phe Ser Gln Thr Ser
20 25 30

Gly Asp Lys Gly Arg Val Glu Gln Ile His Gln Gln Lys Met Ala Arg
35 40 45

Glu Pro Ala Thr Leu Lys Asp Ser Leu Glu Gln Asp Leu Asn Asn Met
50 55 60

Asn Lys Phe Leu Glu Lys Leu Arg Pro Leu Ser Gly Ser Glu Ala Pro
65 70 75 80

Arg Leu Pro Gln Asp Pro Val Gly Met Arg Arg Gln Leu Gln Glu Glu
 85 90 95
 Leu Glu Glu Val Lys Ala Arg Leu Gln Pro Tyr Met Ala Glu Ala His
 100 105 110
 Glu Leu Val Gly Trp Asn Leu Glu Gly Leu Arg Gln Gln Leu Lys Pro
 115 120 125
 Tyr Thr Met Asp Leu Met Glu Gln Val Ala Leu Arg Val Gln Glu Leu
 130 135 140
 Gln Glu Gln Leu Arg Val Val Gly Glu Asp Thr Lys Ala Gln Leu Leu
 145 150 155 160
 Gly Gly Val Asp Glu Ala Trp Ala Leu Leu Gln Gly Leu Gln Ser Arg
 165 170 175
 Val Val His His Thr Gly Arg Phe Lys Glu Leu Phe His Pro Tyr Ala
 180 185 190
 Glu Ser Leu Val Ser Gly Ile Gly Arg His Val Gln Glu Leu His Arg
 195 200 205
 Ser Val Ala Pro His Ala Pro Ala Ser Pro Ala Arg Leu Ser Arg Cys
 210 215 220
 Val Gln Val Leu Ser Arg Lys Leu Thr Leu Lys Ala Lys Ala Leu His
 225 230 235 240
 Ala Arg Ile Gln Gln Asn Leu Asp Gln Leu Arg Glu Glu Leu Ile Arg
 245 250 255
 Ala Phe Ala Gly Thr Gly Thr Glu Glu Gly Ala Gly Pro Asp Pro Gln
 260 265 270
 Met Leu Ser Glu Glu Val Arg Gln Arg Leu Gln Ala Phe Arg Gln Asp
 275 280 285
 Thr Tyr Leu Gln Ile Ala Ala Phe Thr Arg Ala Ile Asp Gln Glu Thr
 290 295 300
 Glu Glu Val Gln Gln Gln Leu Ala Pro Pro Pro Gly His Ser Ala
 305 310 315 320
 Phe Ala Pro Glu Phe Gln Gln Thr Asp Ser Gly Lys Val Leu Ser Lys
 325 330 335
 Leu Gln Ala Arg Leu Asp Asp Leu Trp Glu Asp Ile Thr His Ser Leu
 340 345 350
 His Asp Gln Gly His Ser His Leu Gly Asp Pro

<210> 2225

<211> 183

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2225

Met	Ala	Val	Gly	Lys	Phe	Leu	Leu	Gly	Ser	Leu	Leu	Leu	Leu	Ser	Leu
1				5					10					15	

Gln	Leu	Gly	Gln	Gly	Trp	Gly	Pro	Asp	Ala	Arg	Gly	Val	Pro	Val	Ala
			20					25					30		

Asp	Gly	Glu	Phe	Ser	Ser	Glu	Gln	Val	Ala	Lys	Ala	Gly	Gly	Thr	Trp
		35					40					45			

Leu	Gly	Lys	Asp	Phe	Gln	Gly	Pro	Ser	Val	Thr	Ser	Gln	Leu	Ser	Pro
	50					55					60				

Ala	Leu	Thr	Leu	Leu	Thr	Val	Ser	Ala	Leu	Pro	Ser	His	Arg	His	Pro
65					70					75					80

Pro	Pro	Pro	Cys	Pro	Xaa	Ala	Pro	Ser	Pro	Val	Trp	Ser	Met	Pro	Ala
				85					90					95	

Val	Glu	Pro	Asp	Pro	Val	Arg	Gly	Arg	Ala	Arg	Pro	Gly	Leu	Arg	Leu
			100					105					110		

Ile	Gly	Glu	Val	Ile	Phe	Arg	Tyr	Cys	Ala	Gly	Ser	Cys	Pro	Arg	Gly
	115						120					125			

Ala	Arg	Thr	Gln	His	Gly	Leu	Ala	Leu	Ala	Arg	Leu	Gln	Gly	Gln	Gly
	130					135					140				

Arg	Xaa	His	Gly	Gly	Pro	Cys	Cys	Arg	Pro	Thr	Arg	Tyr	Thr	Asp	Val
145					150					155					160

Ala	Phe	Leu	Asp	Asp	Arg	His	Ala	Gly	Ser	Gly	Cys	Pro	Ser	Ser	Arg
				165					170						175

Arg Leu Cys Gly Cys Gly Gly
180

<210> 2226

<211> 252

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2226

Met Ala Val Gly Lys Phe Leu Leu Gly Ser Leu Leu Leu Leu Ser Leu
1 5 10 15

Gln Leu Gly Gln Gly Trp Gly Pro Asp Ala Arg Gly Val Pro Val Ala
20 25 30

Asp Gly Glu Phe Ser Ser Glu Gln Val Ala Lys Ala Gly Gly Thr Trp
35 40 45

Leu Gly Lys Asp Phe Gln Gly Pro Ser Val Thr Ser Gln Leu Ser Pro
50 55 60

Ala Leu Thr Leu Leu Thr Val Ser Ala Leu Pro Ser His Arg His Pro
65 70 75 80

Pro Pro Pro Cys Pro Xaa Ala Pro Ser Pro Val Trp Ser Met Pro Ala
85 90 95

Val Glu Pro Asp Pro Val Arg Gly Arg Ala Arg Pro Gly Leu Arg Leu
100 105 110

Ile Gly Glu Xaa His Leu Pro Leu Leu Arg Arg Gln Leu Pro Pro Trp
 115 120 125
 Cys Pro His Pro Ala Trp Xaa Gly Ala Gly Pro Ala Ala Gly Pro Gly
 130 135 140
 Pro Xaa Pro Arg Arg Ala Leu Leu Pro Ala His Ser Leu His Arg Arg
 145 150 155 160
 Gly Leu Pro Arg Arg Pro Pro Arg Trp Gln Arg Leu Pro Gln Leu Ser
 165 170 175
 Ala Ala Leu Arg Leu Trp Trp Leu Arg Val Pro Gly Leu Ala Pro Arg
 180 185 190
 Ser Cys Ser Ala Gly Gly Ala Arg Leu Thr Tyr Leu Leu Glu Thr Trp
 195 200 205
 Met Gln Arg Gln Arg Gly Gly Glu Trp Ala Gly Ala Thr Ser Ser Glu
 210 215 220
 Cys Asn Lys Gly His His Ser Pro Gly Lys Lys Lys Lys Lys Lys
 225 230 235 240
 Lys Lys Lys Lys Lys Leu Glu Gly Gly Ser Arg Tyr
 245 250

<210> 2227
 <211> 150
 <212> PRT
 <213> Homo sapiens

<400> 2227
 Met Val Met Ile Leu Phe Val Ala Phe Ile Thr Cys Trp Glu Glu Val
 1 5 10 15
 Thr Thr Leu Val Gln Ala Ile Arg Ile Thr Ser Tyr Met Asn Glu Thr
 20 25 30
 Ile Leu Tyr Phe Pro Phe Ser Ser His Ser Ser Tyr Thr Val Arg Ser
 35 40 45
 Lys Lys Ile Phe Leu Ser Lys Leu Ile Val Cys Phe Leu Ser Thr Trp
 50 55 60
 Leu Pro Phe Val Leu Leu Gln Val Ile Ile Val Leu Leu Lys Val Gln
 65 70 75 80
 Ile Pro Ala Tyr Ile Glu Met Asn Ile Pro Trp Leu Tyr Phe Val Asn

				85						90				95	
Ser	Phe	Leu	Ile	Ala	Thr	Val	Tyr	Trp	Phe	Asn	Cys	His	Lys	Leu	Asn
			100					105					110		
Leu	Lys	Asp	Ile	Gly	Leu	Pro	Leu	Asp	Pro	Phe	Val	Asn	Trp	Lys	Cys
		115					120					125			
Cys	Phe	Ile	Pro	Leu	Thr	Ile	Pro	Asn	Leu	Glu	Gln	Ile	Glu	Lys	Pro
	130					135					140				
Ile	Ser	Ile	Met	Ile	Cys										
145					150										

<210> 2228
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 2228															
Met	Ile	Pro	Phe	Pro	Ala	Cys	Leu	Leu	Leu	Ala	Leu	Phe	Pro	Lys	Val
1				5					10					15	
Gln	Val	Gly	Arg	Thr	Thr	Ser	Ala	Tyr	Phe	Ser	Thr	Ile	Pro	Ser	Met
			20					25					30		
Pro	Ala	Arg	Ser	Gln	Ile	Asn	Leu	Pro	Val	Glu	Ser	Gly	Ser	Ala	Leu
		35					40					45			
Leu	Glu	Pro	Arg	Gly	Lys	Gly	Arg	Val	Glu	Arg	Val	Cys	Pro	Val	Ala
	50					55					60				
Trp	Ser	Ser	Met	Val	Ala	Ser	Cys	Leu	Pro	Ser	Pro	Ser	Ser	Gly	Gly
65					70					75				80	
Pro	Glu	Gly	Ser	Leu	Gly	Thr	Val	Pro	Gln	Ile	Leu	Thr	Gln	Gly	Pro
				85					90					95	
Ala	Trp	Gly	Arg	Asp	Gly	Cys	Arg	Gln	Asn	Ala	Leu	Tyr	Arg	Asp	Phe
			100					105					110		
Leu	Leu	Leu	Gly	Arg	Cys	Val	Ser	Pro	Thr	Ile	Cys	Leu			
		115					120					125			

<210> 2229
 <211> 766
 <212> PRT
 <213> Homo sapiens

<400> 2229

Met Ile Trp Arg Ser Arg Ala Gly Ala Glu Leu Phe Ser Leu Met Ala
1 5 10 15

Leu Trp Glu Trp Ile Ala Leu Ser Leu His Cys Trp Val Leu Ala Val
20 25 30

Ala Ala Val Ser Asp Gln His Ala Thr Ser Pro Phe Asp Trp Leu Leu
35 40 45

Ser Asp Lys Gly Pro Phe His Arg Ser Gln Glu Tyr Thr Asp Phe Val
50 55 60

Asp Arg Ser Arg Gln Gly Phe Ser Thr Arg Tyr Lys Ile Tyr Arg Glu
65 70 75 80

Phe Gly Arg Trp Lys Val Asn Asn Leu Ala Val Glu Arg Arg Asn Phe
85 90 95

Leu Gly Ser Pro Leu Pro Leu Ala Pro Glu Phe Phe Arg Asn Ile Arg
100 105 110

Leu Leu Gly Arg Arg Pro Thr Leu Gln Gln Ile Thr Glu Asn Leu Ile
115 120 125

Lys Lys Tyr Gly Thr His Phe Leu Leu Ser Ala Thr Leu Gly Gly Glu
130 135 140

Glu Ser Leu Thr Ile Phe Val Asp Lys Arg Lys Leu Ser Lys Arg Ala
145 150 155 160

Glu Gly Ser Asp Ser Thr Thr Asn Ser Ser Ser Val Thr Leu Glu Thr
165 170 175

Leu His Gln Leu Ala Ala Ser Tyr Phe Ile Asp Arg Asp Ser Thr Leu
180 185 190

Arg Arg Leu His His Ile Gln Ile Ala Ser Thr Ala Ile Lys Val Thr
195 200 205

Glu Thr Arg Thr Gly Pro Leu Gly Cys Ser Asn Tyr Asp Asn Leu Asp
210 215 220

Ser Val Ser Ser Val Leu Val Gln Ser Pro Glu Asn Lys Ile Gln Leu
225 230 235 240

Gln Gly Leu Gln Val Leu Leu Pro Asp Tyr Leu Gln Glu Arg Phe Val
245 250 255

Gln Ala Ala Leu Ser Tyr Ile Ala Cys Asn Ser Glu Gly Glu Phe Ile
260 265 270

Cys	Lys	Glu	Asn	Asp	Cys	Trp	Cys	His	Cys	Gly	Pro	Lys	Phe	Pro	Glu
	275						280					285			
Cys	Asn	Cys	Pro	Ser	Met	Asp	Ile	Gln	Ala	Met	Glu	Glu	Asn	Leu	Leu
	290					295					300				
Arg	Ile	Thr	Glu	Thr	Trp	Lys	Ala	Tyr	Asn	Ser	Asp	Phe	Glu	Glu	Ser
305					310					315					320
Asp	Glu	Phe	Lys	Leu	Phe	Met	Lys	Arg	Leu	Pro	Met	Asn	Tyr	Phe	Leu
				325					330					335	
Asn	Thr	Ser	Thr	Ile	Met	His	Leu	Trp	Thr	Met	Asp	Ser	Asn	Phe	Gln
			340					345					350		
Arg	Arg	Tyr	Glu	Gln	Leu	Glu	Asn	Ser	Met	Lys	Gln	Leu	Phe	Leu	Lys
		355					360					365			
Ala	Gln	Lys	Ile	Val	His	Lys	Leu	Phe	Ser	Leu	Ser	Lys	Arg	Cys	His
	370					375						380			
Lys	Gln	Pro	Leu	Ile	Ser	Leu	Pro	Arg	Gln	Arg	Thr	Ser	Thr	Tyr	Trp
385					390					395					400
Leu	Thr	Arg	Ile	Gln	Ser	Phe	Leu	Tyr	Cys	Asn	Glu	Asn	Gly	Leu	Leu
				405					410					415	
Gly	Ser	Phe	Ser	Glu	Glu	Thr	His	Ser	Cys	Thr	Cys	Pro	Asn	Asp	Gln
			420					425					430		
Val	Val	Cys	Thr	Ala	Phe	Leu	Pro	Cys	Thr	Val	Gly	Asp	Ala	Ser	Ala
		435					440					445			
Cys	Leu	Thr	Cys	Ala	Pro	Asp	Asn	Arg	Thr	Arg	Cys	Gly	Thr	Cys	Asn
	450					455					460				
Thr	Gly	Tyr	Met	Leu	Ser	Gln	Gly	Leu	Cys	Lys	Pro	Glu	Val	Ala	Glu
465					470					475					480
Ser	Thr	Asp	His	Tyr	Ile	Gly	Phe	Glu	Thr	Asp	Leu	Gln	Asp	Leu	Glu
				485					490					495	
Met	Lys	Tyr	Leu	Leu	Gln	Lys	Thr	Asp	Arg	Arg	Ile	Glu	Val	His	Ala
			500					505					510		
Ile	Phe	Ile	Ser	Asn	Asp	Met	Arg	Leu	Asn	Ser	Trp	Phe	Asp	Pro	Ser
		515					520					525			
Trp	Arg	Lys	Arg	Met	Leu	Leu	Thr	Leu	Lys	Ser	Asn	Lys	Tyr	Lys	Ser
	530					535					540				

Ser Leu Val His Met Ile Leu Gly Leu Ser Leu Gln Ile Cys Leu Thr
 545 550 555 560
 Lys Asn Ser Thr Leu Glu Pro Val Leu Ala Val Tyr Val Asn Pro Phe
 565 570 575
 Gly Gly Ser His Ser Glu Ser Trp Phe Met Pro Val Asn Glu Asn Ser
 580 585 590
 Phe Pro Asp Trp Glu Arg Thr Lys Leu Asp Leu Pro Leu Gln Cys Tyr
 595 600 605
 Asn Trp Thr Leu Thr Leu Gly Asn Lys Trp Lys Thr Phe Phe Glu Thr
 610 615 620
 Val His Ile Tyr Leu Arg Ser Arg Ile Lys Ser Asn Gly Pro Asn Gly
 625 630 635 640
 Asn Glu Ser Ile Tyr Tyr Glu Pro Leu Glu Phe Ile Asp Pro Ser Arg
 645 650 655
 Asn Leu Gly Tyr Met Lys Ile Asn Asn Ile Gln Val Phe Gly Tyr Ser
 660 665 670
 Met His Phe Asp Pro Glu Ala Ile Arg Asp Leu Ile Leu Gln Leu Asp
 675 680 685
 Tyr Pro Tyr Thr Gln Gly Ser Gln Asp Ser Ala Leu Leu Gln Leu Leu
 690 695 700
 Glu Ile Arg Asp Arg Val Asn Lys Leu Ser Pro Pro Gly Gln Arg Arg
 705 710 715 720
 Leu Asp Leu Phe Ser Cys Leu Leu Arg His Arg Leu Lys Leu Ser Thr
 725 730 735
 Ser Glu Val Val Arg Ile Gln Ser Ala Leu Gln Ala Phe Asn Ala Lys
 740 745 750
 Leu Pro Asn Thr Met Asp Tyr Asp Thr Thr Lys Leu Cys Ser
 755 760 765

<210> 2230

<211> 61

<212> PRT

<213> Homo sapiens

<400> 2230

Met Lys Ser Ala Leu His Arg Asp Ile Cys Ile Leu Met Leu Thr Ala
 1 5 10 15

Ala Leu Phe Thr Ile Ala Lys Thr Glu Lys Gln His Lys Cys Pro Ser
20 25 30

Ile Asp Glu Gln Ile Asn Asn Leu Gln Tyr Ile Cys Thr Met Glu Tyr
35 40 45

His Ser Ala Leu Gln Lys Glu Met Leu Leu Tyr Leu Gln
50 55 60

<210> 2231

<211> 133

<212> PRT

<213> Homo sapiens

<400> 2231

Met Arg Met Ser Leu Ala Gln Arg Val Leu Leu Thr Trp Leu Phe Thr
1 5 10 15

Leu Leu Phe Leu Ile Met Leu Val Leu Lys Leu Asp Glu Lys Ala Pro
20 25 30

Trp Asn Trp Phe Leu Ile Phe Ile Pro Val Trp Ile Phe Asp Thr Ile
35 40 45

Leu Leu Val Leu Leu Ile Val Lys Met Ala Gly Arg Cys Lys Ser Gly
50 55 60

Phe Asp Pro Arg His Gly Ser His Asn Ile Lys Lys Lys Ala Trp Tyr
65 70 75 80

Leu Ile Ala Met Leu Leu Lys Leu Ala Phe Cys Leu Ala Leu Cys Ala
85 90 95

Lys Leu Glu Gln Phe Thr Thr Met Asn Leu Ser Tyr Val Phe Ile Pro
100 105 110

Leu Trp Ala Leu Leu Ala Gly Ala Leu Thr Glu Leu Gly Tyr Asn Val
115 120 125

Phe Phe Val Arg Asp
130

<210> 2232

<211> 131

<212> PRT

<213> Homo sapiens

<400> 2232

Met	Ser	Leu	Ala	Gln	Arg	Val	Leu	Leu	Thr	Trp	Leu	Phe	Thr	Leu	Leu	
1				5					10					15		
Phe	Leu	Ile	Met	Leu	Val	Leu	Lys	Leu	Asp	Glu	Lys	Ala	Pro	Trp	Asn	
			20					25					30			
Trp	Phe	Leu	Ile	Phe	Ile	Pro	Val	Trp	Ile	Phe	Asp	Thr	Ile	Leu	Leu	
		35					40					45				
Val	Leu	Leu	Ile	Val	Lys	Met	Ala	Gly	Arg	Cys	Lys	Ser	Gly	Phe	Asp	
	50					55					60					
Pro	Arg	His	Gly	Ser	His	Asn	Ile	Lys	Lys	Lys	Ala	Trp	Tyr	Leu	Ile	
65					70					75					80	
Ala	Met	Leu	Leu	Lys	Leu	Ala	Phe	Cys	Leu	Ala	Leu	Cys	Ala	Lys	Leu	
				85					90					95		
Glu	Gln	Phe	Thr	Thr	Met	Asn	Leu	Ser	Tyr	Val	Phe	Ile	Pro	Leu	Trp	
			100					105					110			
Ala	Leu	Leu	Ala	Gly	Ala	Leu	Thr	Glu	Leu	Gly	Tyr	Asn	Val	Phe	Phe	
		115					120					125				
Val	Arg	Asp														
		130														

<210> 2233

<211> 298

<212> PRT

<213> Homo sapiens

<400> 2233

Met	Lys	Thr	Leu	Gln	Ser	Thr	Leu	Leu	Leu	Leu	Leu	Val	Pro	Leu	
1				5					10				15		
Ile	Lys	Pro	Ala	Pro	Pro	Thr	Gln	Gln	Asp	Ser	Arg	Ile	Ile	Tyr	Asp
			20					25					30		
Tyr	Gly	Thr	Asp	Asn	Phe	Glu	Glu	Ser	Ile	Phe	Ser	Gln	Asp	Tyr	Glu
		35					40					45			
Asp	Lys	Tyr	Leu	Asp	Gly	Lys	Asn	Ile	Lys	Glu	Lys	Glu	Thr	Val	Ile
	50					55					60				
Ile	Pro	Asn	Glu	Lys	Ser	Leu	Gln	Leu	Gln	Lys	Asp	Glu	Ala	Ile	Thr
65					70					75					80
Pro	Leu	Pro	Pro	Lys	Lys	Glu	Asn	Asp	Glu	Met	Pro	Thr	Cys	Leu	Leu

85								90				95			
Cys	Val	Cys	Leu	Ser	Gly	Ser	Val	Tyr	Cys	Glu	Glu	Val	Asp	Ile	Asp
			100					105					110		
Ala	Val	Pro	Pro	Leu	Pro	Lys	Glu	Ser	Ala	Tyr	Leu	Tyr	Ala	Arg	Phe
		115					120					125			
Asn	Lys	Ile	Lys	Lys	Leu	Thr	Ala	Lys	Asp	Phe	Ala	Asp	Ile	Pro	Asn
	130					135					140				
Leu	Arg	Arg	Leu	Asp	Phe	Thr	Gly	Asn	Leu	Ile	Glu	Asp	Ile	Glu	Asp
145					150					155					160
Gly	Thr	Phe	Ser	Lys	Leu	Ser	Leu	Leu	Glu	Glu	Leu	Ser	Leu	Ala	Glu
				165					170					175	
Asn	Gln	Leu	Leu	Lys	Leu	Pro	Val	Leu	Pro	Pro	Lys	Leu	Thr	Leu	Phe
		180						185					190		
Asn	Ala	Lys	Tyr	Asn	Lys	Ile	Lys	Ser	Arg	Gly	Ile	Lys	Ala	Asn	Ala
		195					200					205			
Phe	Lys	Lys	Leu	Asn	Asn	Leu	Thr	Phe	Leu	Tyr	Leu	Asp	His	Asn	Ala
	210					215					220				
Leu	Glu	Ser	Val	Pro	Leu	Asn	Leu	Pro	Glu	Ser	Leu	Arg	Val	Ile	His
225					230					235					240
Leu	Gln	Phe	Asn	Asn	Ile	Ala	Ser	Ile	Thr	Asp	Asp	Thr	Phe	Cys	Lys
			245						250					255	
Ala	Asn	Asp	Thr	Ser	Tyr	Ile	Arg	Asp	Arg	Ile	Glu	Glu	Ile	Arg	Leu
			260					265					270		
Glu	Gly	Asn	Pro	Ile	Val	Leu	Gly	Lys	His	Pro	Asn	Ser	Phe	Ile	Cys
		275					280					285			
Leu	Lys	Arg	Leu	Pro	Ile	Gly	Ser	Tyr	Phe						
	290					295									

<210> 2234

<211> 158

<212> PRT

<213> Homo sapiens

<400> 2234

Met	Ala	Ala	Ala	Ser	Ala	Gly	Ala	Thr	Arg	Leu	Leu	Leu	Leu	Leu	Leu
1				5					10					15	

Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala
 20 25 30
 Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala
 35 40 45
 Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
 50 55 60
 Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
 65 70 75 80
 Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly
 85 90 95
 Arg Leu Arg Asp Val Ala Ala Ser Tyr Leu Asp Cys Gly Ala Thr Arg
 100 105 110
 Ala Cys Gly Pro Leu Leu Cys Ala Thr Leu Pro Val Ser Leu Phe Lys
 115 120 125
 Asn Ile Asp Asp Thr Leu Lys Cys Val Asn Val Leu Lys Ser Tyr Ser
 130 135 140
 Phe Gln Gln Pro Lys Ala Thr Val Val Leu Ala Arg Arg Ser
 145 150 155

<210> 2235
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 2235
 Met Thr Lys Ala Leu Ile Pro Thr Pro Phe Phe Leu Ala Ala Met Trp
 1 5 10 15
 Pro Leu Trp Gln His Ser Trp Ala Gln Thr Leu Arg Ser Gln Arg Gln
 20 25 30
 Glu Ala Asp Ala Trp Ala Lys Ala Gly Ala Gly Asn Ser Arg Gly Ser
 35 40 45
 Leu Ala Trp Arg Leu Leu Met Ser Ser Gly
 50 55

<210> 2236
 <211> 71
 <212> PRT

<213> Homo sapiens

<400> 2236

Met Leu Val Ala Ala Ile Val Phe Ile Ser Phe Gly Val Val Ala Ala
1 5 10 15
Phe Cys Cys Ala Ile Val Asp Gly Val Phe Ala Ala Gln His Ile Glu
20 25 30
Pro Lys Ala Pro His His Gly Lys Met Pro Val Tyr Ser Ser Gly Val
35 40 45
Gly Tyr Leu Tyr Asp Val Tyr Gln Thr Glu Val Ser Arg Ser Thr Glu
50 55 60
Ile His Val Gly Leu Leu Asn
65 70

<210> 2237

<211> 605

<212> PRT

<213> Homo sapiens

<400> 2237

Met Gly Arg Leu Leu Arg Ala Ala Arg Leu Pro Pro Leu Leu Ser Pro
1 5 10 15
Leu Leu Leu Leu Leu Val Gly Gly Ala Phe Leu Gly Ala Cys Val Ala
20 25 30
Gly Ser Asp Glu Pro Gly Pro Glu Gly Leu Thr Ser Thr Ser Leu Leu
35 40 45
Asp Leu Leu Leu Pro Thr Gly Leu Glu Pro Leu Asp Ser Glu Glu Pro
50 55 60
Ser Glu Thr Met Gly Leu Gly Ala Gly Leu Gly Ala Pro Gly Ser Gly
65 70 75 80
Phe Pro Ser Glu Glu Asn Glu Glu Ser Arg Ile Leu Gln Pro Pro Gln
85 90 95
Tyr Phe Trp Glu Glu Glu Glu Glu Leu Asn Asp Ser Ser Leu Asp Leu
100 105 110
Gly Pro Thr Ala Asp Tyr Val Phe Pro Asp Leu Thr Glu Lys Ala Gly
115 120 125
Ser Ile Glu Asp Thr Ser Gln Ala Gln Glu Leu Pro Asn Leu Pro Ser
130 135 140

Pro	Leu	Pro	Lys	Met	Asn	Leu	Val	Glu	Pro	Pro	Trp	His	Met	Pro	Pro	145	150	155	160
Arg	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Arg	Glu	Lys	Glu	165	170	175	
Glu	Val	Glu	Lys	Gln	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Leu	Leu	Pro	Val	180	185	190	
Asn	Gly	Ser	Gln	Glu	Glu	Ala	Lys	Pro	Gln	Val	Arg	Asp	Phe	Ser	Leu	195	200	205	
Thr	Ser	Ser	Ser	Gln	Thr	Pro	Gly	Ala	Thr	Lys	Ser	Arg	His	Glu	Asp	210	215	220	
Ser	Gly	Asp	Gln	Ala	Ser	Ser	Gly	Val	Glu	Val	Glu	Ser	Ser	Met	Gly	225	230	235	240
Pro	Ser	Leu	Leu	Leu	Pro	Ser	Val	Thr	Pro	Thr	Thr	Val	Thr	Pro	Gly	245	250	255	
Asp	Gln	Asp	Ser	Thr	Ser	Gln	Glu	Ala	Glu	Ala	Thr	Val	Leu	Pro	Ala	260	265	270	
Ala	Gly	Leu	Gly	Val	Glu	Phe	Glu	Ala	Pro	Gln	Glu	Ala	Ser	Glu	Glu	275	280	285	
Ala	Thr	Ala	Gly	Ala	Ala	Gly	Leu	Ser	Gly	Gln	His	Glu	Glu	Val	Pro	290	295	300	
Ala	Leu	Pro	Ser	Phe	Pro	Gln	Thr	Thr	Ala	Pro	Ser	Gly	Ala	Glu	His	305	310	315	320
Pro	Asp	Glu	Asp	Pro	Leu	Gly	Ser	Arg	Thr	Ser	Ala	Ser	Ser	Pro	Leu	325	330	335	
Ala	Pro	Gly	Asp	Met	Glu	Leu	Thr	Pro	Ser	Ser	Ala	Thr	Leu	Gly	Gln	340	345	350	
Glu	Asp	Leu	Asn	Gln	Gln	Leu	Leu	Glu	Gly	Gln	Ala	Ala	Glu	Ala	Gln	355	360	365	
Ser	Arg	Ile	Pro	Trp	Asp	Ser	Thr	Gln	Val	Ile	Cys	Lys	Asp	Trp	Ser	370	375	380	
Asn	Leu	Ala	Gly	Lys	Asn	Tyr	Ile	Ile	Leu	Asn	Met	Thr	Glu	Asn	Ile	385	390	395	400
Asp	Cys	Glu	Val	Phe	Arg	Gln	His	Arg	Gly	Pro	Gln	Leu	Leu	Ala	Leu	405	410	415	

Val Glu Glu Val Leu Pro Arg His Gly Ser Gly His His Gly Ala Trp
 420 425 430
 His Ile Ser Leu Ser Lys Pro Ser Glu Lys Glu Gln His Leu Leu Met
 435 440 445
 Thr Leu Val Gly Glu Gln Gly Val Val Pro Thr Gln Asp Val Leu Ser
 450 455 460
 Met Leu Gly Asp Ile Arg Arg Ser Leu Glu Glu Ile Gly Ile Gln Asn
 465 470 475 480
 Tyr Ser Thr Thr Ser Ser Cys Gln Ala Arg Ala Ser Gln Val Arg Ser
 485 490 495
 Asp Tyr Gly Thr Leu Phe Val Val Leu Val Val Ile Gly Ala Ile Cys
 500 505 510
 Ile Ile Ile Ile Ala Leu Gly Leu Leu Tyr Asn Cys Trp Gln Arg Arg
 515 520 525
 Leu Pro Lys Leu Lys His Val Ser His Gly Glu Glu Leu Arg Phe Val
 530 535 540
 Glu Asn Gly Cys His Asp Asn Pro Thr Leu Asp Val Ala Ser Asp Ser
 545 550 555 560
 Gln Ser Glu Met Gln Glu Lys His Pro Ser Leu Asn Gly Gly Gly Ala
 565 570 575
 Leu Asn Gly Pro Gly Ser Trp Gly Ala Leu Met Gly Gly Lys Arg Asp
 580 585 590
 Pro Glu Asp Ser Asp Val Phe Glu Glu Asp Thr His Leu
 595 600 605

<210> 2238

<211> 432

<212> PRT

<213> Homo sapiens

<400> 2238

Met Asp Ala Arg Trp Trp Ala Val Val Val Leu Ala Ala Phe Pro Ser
 1 5 10 15
 Leu Gly Ala Gly Gly Glu Thr Pro Glu Ala Pro Pro Glu Ser Trp Thr
 20 25 30
 Gln Leu Trp Phe Phe Arg Phe Val Val Asn Ala Ala Gly Tyr Ala Ser
 35 40 45

Phe Met Val Pro Gly Tyr Leu Leu Val Gln Tyr Phe Arg Arg Lys Asn
50 55 60

Tyr Leu Glu Thr Gly Arg Gly Leu Cys Phe Pro Leu Val Lys Ala Cys
65 70 75 80

Val Phe Gly Asn Glu Pro Lys Ala Ser Asp Glu Val Pro Leu Ala Pro
85 90 95

Arg Thr Glu Ala Ala Glu Thr Thr Pro Met Trp Gln Ala Leu Lys Leu
100 105 110

Leu Phe Cys Ala Thr Gly Leu Gln Val Ser Tyr Leu Thr Trp Gly Val
115 120 125

Leu Gln Glu Arg Val Met Thr Arg Ser Tyr Gly Ala Thr Ala Thr Ser
130 135 140

Pro Gly Glu Arg Phe Thr Asp Ser Gln Phe Leu Val Leu Met Asn Arg
145 150 155 160

Val Leu Ala Leu Ile Val Ala Gly Leu Ser Cys Val Leu Cys Lys Gln
165 170 175

Pro Arg His Gly Ala Pro Met Tyr Arg Tyr Ser Phe Ala Ser Leu Ser
180 185 190

Asn Val Leu Ser Ser Trp Cys Gln Tyr Glu Ala Leu Lys Phe Val Ser
195 200 205

Phe Pro Thr Gln Val Leu Ala Lys Ala Ser Lys Val Ile Pro Val Met
210 215 220

Leu Met Gly Lys Leu Val Ser Arg Arg Ser Tyr Glu His Trp Glu Tyr
225 230 235 240

Leu Thr Ala Thr Leu Ile Ser Ile Gly Val Ser Met Phe Leu Leu Ser
245 250 255

Ser Gly Pro Glu Pro Arg Ser Ser Pro Ala Thr Thr Leu Ser Gly Leu
260 265 270

Ile Leu Leu Ala Gly Tyr Ile Ala Phe Asp Ser Phe Thr Ser Asn Trp
275 280 285

Gln Asp Ala Leu Phe Ala Tyr Lys Met Ser Ser Val Gln Met Met Phe
290 295 300

Gly Val Asn Phe Phe Ser Cys Leu Phe Thr Val Gly Ser Leu Leu Glu
305 310 315 320

Gln Gly Ala Leu Leu Glu Gly Thr Arg Phe Met Gly Arg His Ser Glu
 325 330 335
 Phe Ala Ala His Ala Leu Leu Leu Ser Ile Cys Ser Ala Cys Gly Gln
 340 345 350
 Leu Phe Ile Phe Tyr Thr Ile Gly Gln Phe Gly Ala Ala Val Phe Thr
 355 360 365
 Ile Ile Met Thr Leu Arg Gln Ala Phe Ala Ile Leu Leu Ser Cys Leu
 370 375 380
 Leu Tyr Gly His Thr Val Thr Val Val Gly Gly Leu Gly Val Ala Val
 385 390 395 400
 Val Phe Ala Ala Leu Leu Leu Arg Val Tyr Ala Arg Gly Arg Leu Lys
 405 410 415
 Gln Arg Gly Lys Lys Ala Val Pro Val Glu Ser Pro Val Gln Lys Val
 420 425 430

<210> 2239
 <211> 432
 <212> PRT
 <213> Homo sapiens

<400> 2239
 Met Asp Ala Arg Trp Trp Ala Val Val Val Leu Ala Ala Phe Pro Ser
 1 5 10 15
 Leu Gly Ala Gly Gly Glu Thr Pro Glu Ala Pro Pro Glu Ser Trp Thr
 20 25 30
 Gln Leu Trp Phe Phe Arg Phe Val Val Asn Ala Ala Gly Tyr Ala Ser
 35 40 45
 Phe Met Val Pro Gly Tyr Leu Leu Val Gln Tyr Phe Arg Arg Lys Asn
 50 55 60
 Tyr Leu Glu Thr Gly Arg Gly Leu Cys Phe Pro Leu Val Lys Ala Cys
 65 70 75 80
 Val Phe Gly Asn Glu Pro Lys Ala Ser Asp Glu Val Pro Leu Ala Pro
 85 90 95
 Arg Thr Glu Ala Ala Glu Thr Thr Pro Met Trp Gln Ala Leu Lys Leu
 100 105 110

Leu Tyr Gly His Thr Val Thr Val Val Gly Gly Leu Gly Val Ala Val
 385 390 395 400

Val Phe Ala Ala Leu Leu Leu Arg Val Tyr Ala Arg Gly Arg Leu Lys
 405 410 415

Gln Arg Gly Lys Lys Ala Val Pro Val Glu Ser Pro Val Gln Lys Val
 420 425 430

<210> 2240

<211> 69

<212> PRT

<213> Homo sapiens

<400> 2240

Met Lys Ala Val Val Leu Leu Lys Ala Phe Ser Phe Ser Leu Cys Ser
 1 5 10 15

Ala Ile Ser Pro Val Thr Pro Gly Phe Arg Gln Thr Ile Asn Val Leu
 20 25 30

Asp Thr Val Ala Phe Ser Ala Phe Phe Ile Tyr Leu Phe Thr Val Thr
 35 40 45

Ala Ser Ile Asn Phe Tyr Ala Tyr Phe Ser Ser Phe Leu Ala Gly Ala
 50 55 60

Pro Phe Ile Lys Ile
 65

<210> 2241

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2241

Met Leu Asp Leu Ser Pro Ser Leu Thr Leu Lys Phe Cys Phe Leu His
 1 5 10 15

Leu Val Phe Leu Pro Phe Lys Val Tyr Cys Gln Leu Leu Gln Glu Leu
 20 25 30

Leu Ser Lys Pro Val Ser Lys Leu Pro Leu Thr Pro Gln Cys Gln Ser
 35 40 45

Trp Ala Arg Pro Leu Gly Asp Leu Glu
50 55

<210> 2242
<211> 145
<212> PRT
<213> Homo sapiens

<400> 2242
Met Leu Arg Thr Leu Val Leu Lys Gln Thr Leu Asp Leu Leu Leu Pro
1 5 10 15
Leu Leu Glu Ala Leu Leu Val Leu Gly Val Pro Gln His Leu Glu Leu
20 25 30
Gln Pro Leu Pro Val Gln Val Ser Leu Leu Leu Leu Gln Leu Leu Asp
35 40 45
Leu Gly Ser Leu Lys Ser His Arg Leu His His Phe His Ser Lys Ala
50 55 60
Leu Gln Leu Pro Val Leu Asp His Leu Asp Phe Gln Asp Phe Gln Leu
65 70 75 80
Pro Trp Gln Gln Val Leu Ser Glu Leu Pro Val Ala Pro Ala Phe Gly
85 90 95
Gly Gly Ser Ser Val Ala Gly Phe Gly Ser Pro Gly Leu Thr Phe Ser
100 105 110
His Trp Leu Phe Leu Ser His Pro Val Asp Thr Phe Gly Asn Ser Gln
115 120 125
Ala Tyr Pro Thr Ser Leu Ser Ala Leu Gln Ala Ser Ile Asn Cys Asn
130 135 140

Arg
145

<210> 2243
<211> 77
<212> PRT
<213> Homo sapiens

<400> 2243
Met Ala Ile Cys Gln Phe Phe Leu Gln Gly Arg Cys Arg Phe Gly Asp
1 5 10 15

Arg Cys Trp Asn Glu His Pro Gly Ala Arg Gly Ala Gly Gly Arg
20 25 30

Gln Gln Pro Gln Gln Gln Pro Ser Gly Asn Asn Arg Arg Gly Trp Asn
35 40 45

Thr Thr Ser Gln Arg Tyr Ser Asn Val Ile Gln Pro Ser Ser Phe Ser
50 55 60

Lys Ser Thr Pro Trp Gly Gly Ser Arg Asp Gln Glu Thr
65 70 75

<210> 2244
<211> 86
<212> PRT
<213> Homo sapiens

<400> 2244
Met Tyr Lys Leu Glu Leu Ile Phe Pro Thr Ala Leu Val Leu Pro Ile
1 5 10 15

Leu Val Asn Gly Thr Val Ile Cys Pro Leu Lys Ala Arg Asn Ser Val
20 25 30

Ile Pro Ser Ser Ser Phe Leu Thr Ser Leu Gln Leu Thr Ile Trp Ile
35 40 45

Gln Pro Cys Leu Phe Leu Pro Thr Thr Thr Gly Leu Ser Ser Gly Tyr
50 55 60

His Thr Phe Leu Ser Gly Leu His Ser Cys His Ile Ser Phe Ala Thr
65 70 75 80

Ala Ile Pro Gly Cys Leu
85

<210> 2245
<211> 208
<212> PRT
<213> Homo sapiens

<400> 2245
Met Gly Leu Gly Ala Arg Gly Ala Trp Ala Ala Leu Leu Leu Gly Thr
1 5 10 15

Leu Gln Val Leu Ala Leu Leu Gly Ala Ala His Glu Ser Ala Ala Met
20 25 30

Ala Pro Ser Thr Leu Pro Val Ser Pro Cys Gly Gly Lys Pro Ala Ala
 50 55 60
 Pro Thr Ser Ala Ser Pro Ala Ala Ala Pro Leu Arg Phe Trp Arg Pro
 65 70 75 80
 Gly Ala Ser Gly Gly Gly Ala Gly Gly Thr Arg Arg Leu Ala Leu Cys
 85 90 95
 Arg Leu Val Thr Ala Arg Thr Thr Leu Ala Thr Gly Thr Pro Gly Leu
 100 105 110
 Ser Ala Arg Pro Arg Gln Arg Pro Cys Leu Leu Pro Val Leu Pro Arg
 115 120 125
 Arg Pro Ala Glu Leu Ser Val Ser Leu Glu Pro Ser Pro Gly Ser Ser
 130 135 140
 Gly Arg Gly Phe Leu Cys Leu Pro Phe Cys Lys Arg Asp Ala Asp Thr
 145 150 155 160
 Ser Leu Gly Gln Thr Leu Thr Ser Ser Cys Ser Leu Ser Ser Ile Leu
 165 170 175
 Val Gly Gly Thr Leu Arg Pro Arg Cys Ser Cys Pro Pro Phe Thr Gln
 180 185 190
 Arg Ser Ala Phe His Leu Arg Thr Pro His Asn Gln Tyr His His Gly
 195 200 205
 Ser Thr Ser Leu Ala Ser His
 210 215

<210> 2247

<211> 139

<212> PRT

<213> Homo sapiens

<400> 2247

Met Lys Thr Leu Leu Leu Leu Val Gly Leu Leu Leu Thr Trp Glu Asn
 1 5 10 15
 Gly Arg Val Leu Gly Asp Gln Met Val Ser Asp Thr Glu Leu Gln Glu
 20 25 30
 Met Ser Thr Glu Gly Ser Lys Tyr Ile Asn Arg Glu Ile Lys Asn Ala
 35 40 45
 Leu Lys Gly Val Lys Gln Ile Lys Thr Leu Ile Glu Gln Thr Asn Glu

50		55		60													
Glu	Arg	Lys	Ser	Leu	Leu	Thr	Asn	Leu	Glu	Glu	Ala	Lys	Lys	Lys	Lys		
65					70					75						80	
Glu	Asp	Ala	Leu	Asn	Asp	Thr	Lys	Asp	Ser	Glu	Met	Lys	Leu	Lys	Ala		
				85					90					95			
Ser	Gln	Gly	Val	Cys	Asn	Asp	Thr	Met	Met	Ala	Leu	Trp	Glu	Glu	Cys		
			100					105					110				
Lys	Pro	Cys	Leu	Lys	Gln	Thr	Trp	Gly	Lys	Gly	Leu	Arg	Pro	Ser	Leu		
		115					120					125					
Gln	Lys	Gln	His	Arg	Ala	Gly	Trp	Pro	Pro	Gly							
130						135											

<210> 2248
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 2248																	
Met	Lys	Thr	Leu	Leu	Leu	Val	Gly	Leu	Leu	Leu	Thr	Trp	Glu	Asn			
1				5				10					15				
Gly	Arg	Val	Leu	Gly	Asp	Gln	Met	Val	Ser	Asp	Thr	Glu	Leu	Gln	Glu		
		20						25					30				
Met	Ser	Thr	Glu	Gly	Ser	Lys	Tyr	Ile	Asn	Arg	Glu	Ile	Lys	Asn	Ala		
		35					40					45					
Leu	Lys	Gly	Val	Lys	Gln	Ile	Lys	Thr	Leu	Ile	Glu	Gln	Thr	Asn	Glu		
	50					55					60						
Glu	Arg	Lys	Ser	Leu	Leu	Thr	Asn	Leu	Glu	Glu	Ala	Lys	Lys	Lys	Lys		
65					70					75					80		
Glu	Asp	Ala	Leu	Asn	Asp	Thr	Lys	Asp	Ser	Glu	Met	Lys	Leu	Lys	Ala		
				85					90					95			
Ser	Gln	Gly	Val	Cys	Asn	Asp	Thr	Met	Met	Ala	Leu	Trp	Glu	Glu	Cys		
			100					105					110				
Lys	Pro	Cys	Leu	Lys	Gln	Thr	Cys	Met	Lys	Phe	Tyr	Ala	Arg	Val	Cys		
		115					120					125					
Arg	Ser	Ser	Thr	Gly	Leu	Val	Gly	His	Gln	Val	Glu	Glu	Phe	Leu	Asn		
130						135					140						

Gln Ser Ser Pro Phe Tyr Phe Trp Ile Asn Gly Asp Arg Ile Asp Ser
 145 150 155 160
 Leu Leu Glu Asn Asp Arg Gln Gln Thr His Ala Leu Asp Val Met Gln
 165 170 175
 Asp Ser Phe Asp Arg Ala Ser Ser Ile Met Asp Glu Leu Phe Gln Asp
 180 185 190
 Arg Phe Phe Thr Arg Glu Ala Gln Asp Pro Phe His Phe Ser Pro Phe
 195 200 205
 Ser Ser Phe Gln Arg Arg Pro Phe Phe Phe Asn Ile Lys His Arg Phe
 210 215 220
 Ala Arg Asn Ile Met Pro Phe Pro Gly Tyr Gln Pro Leu Asn Phe His
 225 230 235 240
 Asp Met Phe Gln Pro Phe Phe Asp Met Ile His Gln Ala Gln Gln Ala
 245 250 255
 Met Asp Val Asn Leu His Arg Leu Pro His Phe Pro Met Glu Phe Thr
 260 265 270
 Glu Glu Asp Asn Gln Asp Gly Ala Val Cys Lys Glu Ile Arg His Asn
 275 280 285
 Ser Thr Gly Cys Leu Lys Met Lys Asp Gln Cys Glu Lys Cys Arg Glu
 290 295 300
 Ile Leu Ser Val Asp Cys Ser Ser Asn Asn Pro Ala Gln Val Gln Leu
 305 310 315 320
 Arg Gln Glu Leu Asn Asn Ser Leu Gln Ile Ala Glu Lys Phe Thr Lys
 325 330 335
 Leu Val Arg Arg Ala Ala Ala Val Leu Pro Gly Glu Asp Val Gln His
 340 345 350
 Val Leu Pro Ala Glu Ala Ala Gly Arg Ala Val
 355 360

<210> 2249

<211> 85

<212> PRT

<213> Homo sapiens

<400> 2249

Met Ala Ala Gly Gly Cys Leu Leu Leu Leu Ala Phe Phe Pro Leu Ser
 1 5 10 15

Arg Gly Ser His Phe His Leu Gln Lys Arg Ala Leu Ala Glu Ala Ser
 20 25 30
 Phe Glu Ala Thr Leu Cys Glu Leu Phe Val Ile Glu Thr Ala Ser Lys
 35 40 45
 Gly Thr Leu Leu Ile Ile Thr Ile Arg His Leu Val Thr Tyr Ile Ile
 50 55 60
 Val Ile Phe Lys Cys His Met Leu Lys Asn Glu Met Asn Ser Ser Ile
 65 70 75 80
 Lys Pro His Phe Gln
 85

<210> 2250
 <211> 184
 <212> PRT
 <213> Homo sapiens

<400> 2250
 Met Lys Ala Leu Gly Ala Val Leu Leu Ala Leu Leu Leu Cys Gly Arg
 1 5 10 15
 Pro Gly Arg Gly Gln Thr Gln Gln Glu Glu Glu Glu Glu Asp Glu Asp
 20 25 30
 His Gly Pro Asp Asp Tyr Asp Glu Glu Asp Glu Asp Glu Val Glu Glu
 35 40 45
 Glu Glu Thr Asn Arg Leu Pro Gly Gly Arg Ser Arg Val Leu Leu Arg
 50 55 60
 Cys Tyr Thr Cys Lys Ser Leu Pro Arg Asp Glu Arg Cys Asn Leu Thr
 65 70 75 80
 Gln Asn Cys Ser His Gly Gln Thr Cys Thr Thr Leu Ile Ala His Gly
 85 90 95
 Asn Thr Glu Ser Gly Leu Leu Thr Thr His Ser Thr Trp Cys Thr Asp
 100 105 110
 Ser Cys Gln Pro Ile Thr Lys Thr Val Glu Gly Thr Gln Val Thr Met
 115 120 125
 Thr Cys Cys Gln Ser Ser Leu Cys Asn Val Pro Pro Trp Gln Ser Ser
 130 135 140
 Arg Val Gln Asp Pro Thr Gly Lys Gly Ala Gly Gly Pro Arg Gly Ser

145		150		155		160									
Ser	Glu	Thr	Val	Gly	Ala	Ala	Leu	Leu	Leu	Asn	Leu	Leu	Ala	Gly	Leu
				165					170					175	

Gly Ala Met Gly Ala Arg Arg Pro
180

<210> 2251
<211> 352
<212> PRT
<213> Homo sapiens

<400> 2251
Met Val Glu Ala Leu Arg Ala Gly Ser Ala Arg Leu Val Ala Ala Pro
1 5 10 15
Val Ala Thr Ala Asn Pro Ala Arg Cys Leu Ala Leu Asn Val Ser Leu
20 25 30
Arg Glu Trp Thr Ala Arg Tyr Gly Ala Ala Pro Ala Ala Pro Arg Cys
35 40 45
Asp Ala Leu Asp Gly Asp Ala Val Val Leu Leu Arg Ala Arg Asp Leu
50 55 60
Phe Asn Leu Ser Ala Pro Leu Ala Arg Pro Val Gly Thr Ser Leu Phe
65 70 75 80
Leu Gln Thr Ala Leu Arg Gly Trp Ala Val Gln Leu Leu Asp Leu Thr
85 90 95
Phe Ala Ala Ala Arg Gln Pro Pro Leu Ala Thr Ala His Ala Arg Trp
100 105 110
Lys Ala Glu Arg Glu Gly Arg Ala Arg Arg Ala Ala Leu Leu Arg Ala
115 120 125
Leu Gly Ile Arg Leu Val Ser Trp Glu Gly Gly Arg Leu Glu Trp Phe
130 135 140
Gly Cys Asn Lys Glu Thr Thr Arg Cys Phe Gly Thr Val Val Gly Asp
145 150 155 160
Thr Pro Ala Tyr Leu Tyr Glu Glu Arg Trp Thr Pro Pro Cys Cys Leu
165 170 175
Arg Ala Leu Arg Glu Thr Ala Arg Tyr Val Val Gly Val Leu Glu Ala
180 185 190

Ala Gly Val Arg Tyr Trp Leu Glu Gly Gly Ser Leu Leu Gly Ala Ala
 195 200 205
 Arg His Gly Asp Ile Ile Pro Trp Asp Tyr Asp Val Asp Leu Gly Ile
 210 215 220
 Tyr Leu Glu Asp Val Gly Asn Cys Glu Gln Leu Arg Gly Ala Glu Ala
 225 230 235 240
 Gly Ser Val Val Asp Glu Arg Gly Phe Val Trp Glu Lys Ala Val Glu
 245 250 255
 Gly Asp Phe Phe Arg Val Gln Tyr Ser Glu Ser Asn His Leu His Val
 260 265 270
 Asp Leu Trp Pro Phe Tyr Pro Arg Asn Gly Val Met Thr Lys Asp Thr
 275 280 285
 Trp Leu Asp His Arg Gln Asp Val Glu Phe Pro Glu His Phe Leu Gln
 290 295 300
 Pro Leu Val Pro Leu Pro Phe Ala Gly Phe Val Ala Gln Ala Pro Asn
 305 310 315 320
 Asn Tyr Arg Arg Phe Leu Glu Leu Lys Phe Gly Pro Gly Val Ile Glu
 325 330 335
 Asn Pro Gln Tyr Pro Asn Pro Ala Leu Leu Ser Leu Thr Gly Ser Gly
 340 345 350

<210> 2252

<211> 448

<212> PRT

<213> Homo sapiens

<400> 2252

Met Ala Trp Ala Ser Arg Leu Gly Leu Leu Leu Ala Leu Leu Leu Pro
 1 5 10 15
 Val Val Gly Ala Ser Thr Pro Gly Thr Val Val Arg Leu Asn Lys Ala
 20 25 30
 Ala Leu Ser Tyr Val Ser Glu Ile Gly Lys Ala Pro Leu Gln Arg Ala
 35 40 45
 Leu Gln Val Thr Val Pro His Phe Leu Asp Trp Ser Gly Glu Ala Leu
 50 55 60

Gln	Pro	Thr	Arg	Ile	Arg	Ile	Leu	Asn	Val	His	Val	Pro	Arg	Leu	His	65	70	75	80
Leu	Lys	Phe	Ile	Ala	Gly	Phe	Gly	Val	Arg	Leu	Leu	Ala	Ala	Ala	Asn	85	90	95	
Phe	Thr	Phe	Lys	Val	Phe	Arg	Ala	Pro	Glu	Pro	Leu	Glu	Leu	Thr	Leu	100	105	110	
Pro	Val	Glu	Leu	Leu	Ala	Asp	Thr	Arg	Val	Thr	Gln	Ser	Ser	Ile	Arg	115	120	125	
Thr	Pro	Val	Val	Ser	Ile	Ser	Ala	Cys	Ser	Leu	Phe	Ser	Gly	His	Ala	130	135	140	
Asn	Glu	Phe	Asp	Gly	Ser	Asn	Ser	Thr	Ser	His	Ala	Leu	Leu	Val	Leu	145	150	155	160
Val	Gln	Lys	His	Ile	Lys	Ala	Val	Leu	Ser	Asn	Lys	Leu	Cys	Leu	Ser	165	170	175	
Ile	Ser	Asn	Leu	Val	Gln	Gly	Val	Asn	Val	His	Leu	Gly	Thr	Leu	Ile	180	185	190	
Gly	Leu	Asn	Pro	Val	Gly	Pro	Glu	Ser	Gln	Ile	Arg	Tyr	Ser	Met	Val	195	200	205	
Ser	Val	Pro	Thr	Val	Thr	Ser	Asp	Tyr	Ile	Ser	Leu	Glu	Val	Asn	Ala	210	215	220	
Val	Leu	Phe	Leu	Leu	Gly	Lys	Pro	Ile	Ile	Leu	Pro	Thr	Asp	Ala	Thr	225	230	235	240
Pro	Phe	Val	Leu	Pro	Arg	His	Val	Gly	Thr	Glu	Gly	Ser	Met	Ala	Thr	245	250	255	
Val	Gly	Leu	Ser	Gln	Gln	Leu	Phe	Asp	Ser	Ala	Leu	Leu	Leu	Leu	Gln	260	265	270	
Lys	Ala	Gly	Ala	Leu	Asn	Leu	Asp	Ile	Thr	Gly	Gln	Leu	Arg	Ser	Asp	275	280	285	
Asp	Asn	Leu	Leu	Asn	Thr	Ser	Ala	Leu	Gly	Arg	Leu	Ile	Pro	Glu	Val	290	295	300	
Ala	Arg	Gln	Phe	Pro	Glu	Pro	Met	Pro	Val	Val	Leu	Lys	Val	Arg	Leu	305	310	315	320
Gly	Ala	Thr	Pro	Val	Ala	Met	Leu	His	Thr	Asn	Asn	Ala	Thr	Leu	Arg	325	330	335	

Leu Gln Pro Phe Val Glu Val Leu Ala Thr Ala Ser Asn Ser Ala Phe
 340 345 350
 Gln Ser Leu Phe Ser Leu Asp Val Val Val Asn Leu Arg Leu Gln Leu
 355 360 365
 Ser Val Ser Lys Val Lys Leu Gln Gly Thr Thr Ser Val Leu Gly Asp
 370 375 380
 Val Gln Leu Thr Val Ala Ser Ser Asn Val Gly Phe Ile Asp Thr Asp
 385 390 395 400
 Gln Val Arg Thr Leu Met Gly Thr Val Phe Glu Lys Pro Leu Leu Asp
 405 410 415
 His Leu Asn Ala Leu Leu Ala Met Gly Ile Ala Leu Pro Gly Val Val
 420 425 430
 Asn Leu His Tyr Val Pro Leu Arg Ser Leu Ser Met Arg Ala Thr Trp
 435 440 445

<210> 2253
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 2253
 Met Glu Pro Glu Glu Gly Thr Pro Leu Trp Arg Leu Gln Lys Leu Pro
 1 5 10 15
 Ala Glu Leu Gly Pro Gln Leu Leu His Lys Ile Ile Asp Gly Ile Cys
 20 25 30
 Gly Arg Ala Tyr Pro Val Tyr Gln Asp Tyr His Thr Val Trp Glu Ser
 35 40 45
 Glu Glu Trp Met His Val Leu Glu Asp Ile Ala Lys Phe Phe Lys Ala
 50 55 60
 Ile Val Gly Lys Asn Leu Pro Asp Glu Glu Ile Phe Gln Gln Leu Asn
 65 70 75 80
 Gln Leu Asn Ser Leu His Gln Glu Thr Ile Met Lys Cys Val Lys Ser
 85 90 95
 Arg Lys Asp Glu Ile Lys Gln Ala Leu Ser Arg Glu Ile Val Ala Ile
 100 105 110

Ser Ser Ala Gln Leu Gln Asp Phe Asp Trp Gln Val Lys Leu Ala Leu
115 120 125

Ser Ser Asp Lys Ile Ala Ala Leu Arg Met Pro Leu Leu Ser Leu His
130 135 140

Leu Asp Val Lys Glu Asn Gly Glu Val Lys Pro Tyr Ser Ile Glu Met
145 150 155 160

Ser Arg Glu Glu Leu Gln Asn Leu Ile Gln Ser Leu Glu Ala Ala Asn
165 170 175

Lys Val Val Leu Gln Leu Lys
180

<210> 2254

<211> 121

<212> PRT

<213> Homo sapiens

<400> 2254

Met Pro Cys Gly Arg Gln His Leu Gln Asn Leu Asp Asp Ala Val Asn
1 5 10 15

Gly Ser Ala Trp Thr Ile Leu Leu Leu Thr Glu Asn Phe Leu Arg Asp
20 25 30

Thr Trp Cys Asn Phe Gln Phe Tyr Thr Ser Leu Met Asn Ser Val Asn
35 40 45

Arg Gln His Lys Tyr Asn Ser Val Ile Pro Met Arg Pro Leu Asn Asn
50 55 60

Pro Leu Pro Arg Glu Arg Thr Pro Phe Ala Leu Gln Thr Ile Asn Ala
65 70 75 80

Leu Glu Glu Glu Ser Arg Gly Phe Pro Thr Gln Val Glu Arg Ile Phe
85 90 95

Gln Glu Ser Val Tyr Lys Thr Gln Gln Thr Ile Trp Lys Glu Thr Arg
100 105 110

Asn Met Val Gln Arg Gln Phe Ile Ala
115 120

<210> 2255

<211> 251

<212> PRT

<213> Homo sapiens

<400> 2255

Met	Leu	Phe	His	Tyr	Asp	Trp	Ile	Ser	Ile	Pro	Leu	Val	Tyr	Thr	Gln	
1				5					10					15		
Val	Val	Thr	Ile	Ala	Val	Tyr	Ser	Phe	Phe	Ala	Leu	Ser	Leu	Val	Gly	
			20					25					30			
Arg	Gln	Phe	Val	Glu	Pro	Glu	Ala	Gly	Ala	Ala	Lys	Pro	Gln	Lys	Leu	
		35					40					45				
Leu	Lys	Pro	Gly	Gln	Glu	Pro	Ala	Pro	Ala	Leu	Gly	Asp	Pro	Asp	Met	
	50					55					60					
Tyr	Val	Pro	Leu	Thr	Thr	Leu	Leu	Gln	Phe	Phe	Phe	Tyr	Ala	Gly	Trp	
65					70					75					80	
Leu	Lys	Val	Ala	Glu	Gln	Ile	Ile	Asn	Pro	Phe	Gly	Glu	Asp	Asp	Asp	
				85				90						95		
Asp	Phe	Glu	Thr	Asn	Gln	Leu	Ile	Asp	Arg	Asn	Leu	Gln	Val	Ser	Leu	
			100					105					110			
Leu	Ser	Val	Asp	Glu	Met	Tyr	Gln	Asn	Leu	Pro	Pro	Ala	Glu	Lys	Asp	
		115					120					125				
Gln	Tyr	Trp	Asp	Glu	Asp	Gln	Pro	Gln	Pro	Pro	Tyr	Thr	Val	Ala	Thr	
	130					135					140					
Ala	Ala	Glu	Ser	Leu	Arg	Pro	Ser	Phe	Leu	Gly	Ser	Thr	Phe	Asn	Leu	
145					150					155					160	
Arg	Met	Ser	Asp	Asp	Pro	Glu	Gln	Ser	Leu	Gln	Val	Glu	Ala	Ser	Pro	
			165					170						175		
Gly	Ser	Gly	Arg	Pro	Ala	Pro	Ala	Ala	Gln	Thr	Pro	Leu	Leu	Gly	Arg	
			180				185						190			
Phe	Leu	Gly	Val	Gly	Ala	Pro	Ser	Pro	Ala	Ile	Ser	Leu	Arg	Asn	Phe	
		195					200					205				
Gly	Arg	Val	Arg	Gly	Thr	Pro	Arg	Pro	Pro	His	Leu	Leu	Arg	Phe	Arg	
	210					215					220					
Ala	Glu	Glu	Gly	Gly	Asp	Pro	Glu	Ala	Ala	Ala	Arg	Ile	Glu	Glu	Glu	
225					230					235					240	
Ser	Ala	Glu	Ser	Gly	Asp	Glu	Ala	Leu	Glu	Pro						
				245				250								

<210> 2256
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 2256
 Met Arg Pro Gly Lys Lys Val Leu Val Met Gly Ile Val Asp Leu Asn
 1 5 10 15
 Pro Glu Ser Phe Ala Ile Ser Leu Thr Cys Gly Asp Ser Glu Asp Pro
 20 25 30
 Pro Ala Asp Val Ala Ile Glu Leu Lys Ala Val Phe Thr Asp Arg Gln
 35 40 45
 Leu Leu Arg Asn Ser Cys Ile Ser Gly Glu Arg Gly Glu Glu Gln Ser
 50 55 60
 Ala Ile Pro Tyr Phe Pro Phe Ile Pro Asp Gln Pro Phe Arg Val Glu
 65 70 75 80
 Ile Leu Cys Glu His Pro Arg Phe Arg Val Phe Val Asp Gly His Gln
 85 90 95
 Leu Phe Asp Phe Tyr His Arg Ile Gln Thr Leu Ser Ala Ile Asp Thr
 100 105 110
 Ile Lys Ile Asn Gly Asp Leu Gln Ile Thr Lys Leu Gly
 115 120 125

<210> 2257
 <211> 170
 <212> PRT
 <213> Homo sapiens

<400> 2257
 Met Ile Ser Ile His Asn Glu Glu Glu Asn Ala Phe Ile Leu Asp Thr
 1 5 10 15
 Leu Lys Lys Gln Trp Lys Gly Pro Asp Asp Ile Leu Leu Gly Met Phe
 20 25 30
 Tyr Asp Thr Asp Asp Ala Ser Phe Lys Trp Phe Asp Asn Ser Asn Met
 35 40 45
 Thr Phe Asp Lys Trp Thr Asp Gln Asp Asp Asp Glu Asp Leu Val Asp
 50 55 60

Thr	Cys	Ala	Phe	Leu	His	Ile	Lys	Thr	Gly	Glu	Trp	Lys	Lys	Gly	Asn	
65					70					75					80	
Cys	Glu	Val	Ser	Ser	Val	Glu	Gly	Thr	Leu	Cys	Lys	Thr	Ala	Ile	Pro	
				85					90					95		
Tyr	Lys	Arg	Lys	Tyr	Leu	Ser	Asp	Asn	His	Ile	Leu	Ile	Ser	Ala	Leu	
			100					105					110			
Val	Ile	Ala	Ser	Thr	Val	Ile	Leu	Thr	Val	Leu	Gly	Ala	Ile	Ile	Trp	
		115					120					125				
Phe	Leu	Tyr	Lys	Lys	His	Ser	Asp	Ser	Arg	Phe	Thr	Thr	Val	Phe	Ser	
	130					135					140					
Thr	Ala	Pro	Gln	Ser	Pro	Tyr	Asn	Glu	Asp	Cys	Val	Leu	Val	Val	Gly	
145					150					155					160	
Glu	Glu	Asn	Glu	Tyr	Pro	Val	Gln	Phe	Asp							
				165					170							

<210> 2258
 <211> 595
 <212> PRT
 <213> Homo sapiens

<400> 2258																
Met	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Pro	Pro	Leu	Leu	Cys	Gly	Arg	Val	
1				5					10					15		
Gly	Ala	Lys	Glu	Gln	Lys	Asp	Tyr	Leu	Leu	Thr	Met	Gln	Lys	Ser	Val	
			20					25					30			
Thr	Val	Gln	Glu	Gly	Leu	Cys	Val	Ser	Val	Leu	Cys	Ser	Phe	Ser	Tyr	
		35					40					45				
Pro	Gln	Asn	Gly	Trp	Thr	Ala	Ser	Asp	Pro	Val	His	Gly	Tyr	Trp	Phe	
		50				55					60					
Arg	Ala	Gly	Asp	His	Val	Ser	Arg	Asn	Ile	Pro	Val	Ala	Thr	Asn	Asn	
65					70					75					80	
Pro	Ala	Arg	Ala	Val	Gln	Glu	Glu	Thr	Arg	Asp	Arg	Phe	His	Leu	Leu	
				85					90					95		
Gly	Asp	Pro	Gln	Asn	Lys	Asp	Cys	Thr	Leu	Ser	Ile	Arg	Asp	Thr	Arg	
			100					105					110			
Glu	Ser	Asp	Ala	Gly	Thr	Tyr	Val	Phe	Cys	Val	Glu	Arg	Gly	Asn	Met	
		115					120					125				

Lys	Trp	Asn	Tyr	Lys	Tyr	Asp	Gln	Leu	Ser	Val	Asn	Val	Thr	Ala	Ser		
	130					135					140						
Gln	Asp	Leu	Leu	Ser	Arg	Tyr	Arg	Leu	Glu	Val	Pro	Glu	Ser	Val	Thr		
145					150					155						160	
Val	Gln	Glu	Gly	Leu	Cys	Val	Ser	Val	Pro	Cys	Ser	Val	Leu	Tyr	Pro		
				165					170					175			
His	Tyr	Asn	Trp	Thr	Ala	Ser	Ser	Pro	Val	Tyr	Gly	Ser	Trp	Phe	Lys		
			180					185					190				
Glu	Gly	Ala	Asp	Ile	Pro	Trp	Asp	Ile	Pro	Val	Ala	Thr	Asn	Thr	Pro		
		195					200					205					
Ser	Gly	Lys	Val	Gln	Glu	Asp	Thr	His	Gly	Arg	Phe	Leu	Leu	Leu	Gly		
	210					215					220						
Asp	Pro	Gln	Thr	Asn	Asn	Cys	Ser	Leu	Ser	Ile	Arg	Asp	Ala	Arg	Lys		
225					230					235					240		
Gly	Asp	Ser	Gly	Lys	Tyr	Tyr	Phe	Gln	Val	Glu	Arg	Gly	Ser	Arg	Lys		
				245					250					255			
Trp	Asn	Tyr	Ile	Tyr	Asp	Lys	Leu	Ser	Val	His	Val	Thr	Ala	Leu	Thr		
			260					265					270				
His	Met	Pro	Thr	Phe	Ser	Ile	Pro	Gly	Thr	Leu	Glu	Ser	Gly	His	Pro		
	275						280					285					
Arg	Asn	Leu	Thr	Cys	Ser	Val	Pro	Trp	Ala	Cys	Glu	Gln	Gly	Thr	Pro		
	290					295					300						
Pro	Thr	Ile	Thr	Trp	Met	Gly	Ala	Ser	Val	Ser	Ser	Leu	Asp	Pro	Thr		
305					310					315				320			
Ile	Thr	Arg	Ser	Ser	Met	Leu	Ser	Leu	Ile	Pro	Gln	Pro	Gln	Asp	His		
				325					330					335			
Gly	Thr	Ser	Leu	Thr	Cys	Gln	Val	Thr	Leu	Pro	Gly	Ala	Gly	Val	Thr		
			340					345					350				
Met	Thr	Arg	Ala	Val	Arg	Leu	Asn	Ile	Ser	Tyr	Pro	Pro	Gln	Asn	Leu		
		355					360					365					
Thr	Met	Thr	Val	Phe	Gln	Gly	Asp	Gly	Thr	Ala	Ser	Thr	Thr	Leu	Arg		
	370					375					380						
Asn	Gly	Ser	Ala	Leu	Ser	Val	Leu	Glu	Gly	Gln	Ser	Leu	His	Leu	Val		
385					390					395					400		

Cys Ala Val Asp Ser Asn Pro Pro Ala Arg Leu Ser Trp Thr Trp Gly
 405 410 415
 Ser Leu Thr Leu Ser Pro Ser Gln Ser Ser Asn Leu Gly Val Leu Glu
 420 425 430
 Leu Pro Arg Val His Val Lys Asp Glu Gly Glu Phe Thr Cys Arg Ala
 435 440 445
 Gln Asn Pro Leu Gly Ser Gln His Ile Ser Leu Ser Leu Ser Leu Gln
 450 455 460
 Asn Glu Tyr Thr Gly Lys Met Arg Pro Ile Ser Gly Val Thr Leu Gly
 465 470 475 480
 Ala Phe Gly Gly Ala Gly Ala Thr Ala Leu Val Phe Leu Tyr Phe Cys
 485 490 495
 Ile Ile Phe Val Val Val Arg Ser Cys Arg Lys Lys Ser Ala Arg Pro
 500 505 510
 Ala Val Gly Val Gly Asp Thr Gly Met Glu Asp Ala Asn Ala Val Arg
 515 520 525
 Gly Ser Ala Ser Gln Gly Pro Leu Ile Glu Ser Pro Ala Asp Asp Ser
 530 535 540
 Pro Pro His His Ala Pro Pro Ala Leu Ala Thr Pro Ser Pro Glu Glu
 545 550 555 560
 Gly Glu Ile Gln Tyr Ala Ser Leu Ser Phe His Lys Ala Arg Pro Gln
 565 570 575
 Tyr Pro Gln Glu Gln Glu Ala Ile Gly Tyr Glu Tyr Ser Glu Ile Asn
 580 585 590
 Ile Pro Lys
 595

<210> 2259
 <211> 274
 <212> PRT
 <213> Homo sapiens

<400> 2259
 Met Ser Ser Asn Gly Ile Pro Glu Cys Tyr Ala Glu Glu Asp Glu Phe
 1 5 10 15
 Ser Gly Leu Glu Thr Asp Thr Ala Val Pro Thr Glu Glu Ala Tyr Val
 20 25 30

<211> 468
 <212> PRT
 <213> Homo sapiens

<400> 2260

Met	Pro	Ala	Leu	His	Thr	Leu	Asn	Leu	Asp	His	Asn	Leu	Ile	Asp	Ala	1		5		10		15
Leu	Pro	Pro	Gly	Ala	Phe	Ala	Gln	Leu	Gly	Gln	Leu	Ser	Arg	Leu	Asp	20		25		30		
Leu	Thr	Ser	Asn	Arg	Leu	Ala	Thr	Leu	Ala	Pro	Asp	Pro	Leu	Phe	Ser	35		40		45		
Arg	Gly	Arg	Asp	Ala	Glu	Ala	Ser	Pro	Ala	Pro	Leu	Val	Leu	Ser	Phe	50		55		60		
Ser	Gly	Asn	Pro	Leu	His	Cys	Asn	Cys	Glu	Leu	Leu	Trp	Leu	Arg	Arg	65		70		75		80
Leu	Ala	Arg	Pro	Asp	Asp	Leu	Glu	Thr	Cys	Ala	Ser	Pro	Pro	Gly	Leu	85		90		95		
Ala	Gly	Arg	Tyr	Phe	Trp	Ala	Val	Pro	Glu	Gly	Glu	Phe	Ser	Cys	Glu	100		105		110		
Pro	Pro	Leu	Ile	Ala	Arg	His	Thr	Gln	Arg	Leu	Trp	Val	Leu	Glu	Gly	115		120		125		
Gln	Arg	Ala	Thr	Leu	Arg	Cys	Arg	Ala	Leu	Gly	Asp	Pro	Ala	Pro	Thr	130		135		140		
Met	His	Trp	Val	Gly	Pro	Asp	Asp	Arg	Leu	Val	Gly	Asn	Ser	Ser	Arg	145		150		155		160
Ala	Arg	Ala	Phe	Pro	Asn	Gly	Thr	Leu	Glu	Ile	Gly	Ala	Thr	Gly	Ala	165		170		175		
Gly	Asp	Ala	Gly	Gly	Tyr	Thr	Cys	Ile	Ala	Thr	Asn	Pro	Ala	Gly	Glu	180		185		190		
Ala	Thr	Ala	Arg	Val	Glu	Leu	Arg	Val	Leu	Ala	Leu	Pro	His	Gly	Gly	195		200		205		
Asn	Ser	Ser	Ala	Glu	Gly	Gly	Arg	Pro	Gly	Pro	Ser	Asp	Ile	Ala	Ala	210		215		220		
Ser	Ala	Arg	Thr	Ala	Ala	Glu	Gly	Glu	Gly	Thr	Leu	Glu	Ser	Glu	Pro	225		230		235		240
Ala	Val	Gln	Val	Thr	Glu	Val	Thr	Ala	Thr	Ser	Gly	Leu	Val	Ser	Trp	245		250		255		

Gly Pro Gly Arg Pro Ala Asp Pro Val Trp Met Phe Gln Ile Gln Tyr
 260 265 270
 Asn Ser Ser Glu Asp Glu Thr Leu Ile Tyr Arg Ile Val Pro Ala Ser
 275 280 285
 Ser His His Phe Leu Leu Lys His Leu Val Pro Gly Ala Asp Tyr Asp
 290 295 300
 Leu Cys Leu Leu Ala Leu Ser Pro Ala Ala Gly Pro Ser Asp Leu Thr
 305 310 315 320
 Ala Thr Arg Leu Leu Gly Cys Ala His Phe Ser Thr Leu Pro Ala Ser
 325 330 335
 Pro Leu Cys His Ala Leu Gln Ala His Val Leu Gly Gly Thr Leu Thr
 340 345 350
 Val Ala Val Gly Gly Val Leu Val Ala Ala Leu Leu Val Phe Thr Val
 355 360 365
 Ala Leu Leu Val Arg Gly Arg Gly Ala Gly Asn Gly Arg Leu Pro Leu
 370 375 380
 Lys Leu Ser His Val Gln Ser Gln Thr Asn Gly Gly Pro Ser Pro Thr
 385 390 395 400
 Pro Lys Ala His Pro Pro Arg Ser Pro Pro Pro Arg Pro Gln Arg Ser
 405 410 415
 Cys Ser Leu Asp Leu Gly Asp Ala Gly Cys Tyr Gly Tyr Ala Arg Arg
 420 425 430
 Leu Gly Gly Ala Trp Ala Arg Arg Ser His Ser Val His Gly Gly Leu
 435 440 445
 Leu Gly Ala Gly Cys Arg Gly Val Gly Gly Ser Ala Glu Arg Leu Glu
 450 455 460
 Glu Ser Val Val
 465

<210> 2261

<211> 86

<212> PRT

<213> Homo sapiens

<400> 2261

Met Asn Arg Gly Asp Phe Leu Leu Ser Val Asn Gly Ala Ser Leu Ala

1	5	10	15												
Gly	Leu	Ala	His	Gly	Asn	Val	Leu	Lys	Val	Leu	His	Gln	Ala	Gln	Leu
			20					25					30		
His	Lys	Asp	Ala	Leu	Val	Val	Ile	Lys	Lys	Gly	Met	Asp	Gln	Pro	Arg
		35					40					45			
Pro	Ser	Ala	Arg	Gln	Glu	Pro	Pro	Thr	Ala	Asn	Gly	Lys	Gly	Leu	Leu
	50					55					60				
Ser	Arg	Lys	Thr	Ile	Pro	Leu	Glu	Pro	Gly	Ile	Gly	Lys	Met	Ile	Ile
65					70					75					80
Ser	Thr	Thr	Ser	Arg	Leu										
				85											

<210> 2262
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 2262
Met Lys Gly Ser Arg Ala Leu Leu Leu Val Ala Leu Thr Leu Phe Cys
1 5 10 15
Ile Cys Arg Met Ala Thr Gly Glu Asp Asn Asp Glu Phe Phe Met Asp
20 25 30
Phe Leu Gln Thr Leu Leu Val Gly Thr Pro Glu Glu Leu Tyr Glu Gly
35 40 45
Thr Leu Gly Lys Tyr Asn Val Asn Glu Asp Ala Lys Ala Ala Met Thr
50 55 60
Glu Leu Lys Ser Cys Ile Asp Gly Leu Gln Pro Met His Lys Ala Glu
65 70 75 80
Leu Val Lys Leu Leu Val Gln Val Leu Gly Ser Gln Asp Gly Ala Gly
85 90 95
Thr Asp Tyr Lys Asp Asp Asp Asp Lys
100 105

<210> 2263
 <211> 167
 <212> PRT
 <213> Homo sapiens

<400> 2263

Met Ala Ala Ser Val Cys Ser Gly Leu Leu Gly Pro Arg Val Leu Ser
1 5 10 15
Trp Ser Arg Glu Leu Pro Cys Ala Trp Arg Ala Leu His Thr Ser Pro
20 25 30
Val Cys Ala Lys Asn Arg Ala Ala Arg Val Arg Val Ser Lys Gly Asp
35 40 45
Lys Pro Val Thr Tyr Glu Glu Ala His Ala Pro His Tyr Ile Ala His
50 55 60
Arg Lys Gly Trp Leu Ser Leu His Thr Gly Asn Leu Asp Gly Glu Asp
65 70 75 80
His Ala Ala Glu Arg Thr Val Glu Asp Val Phe Leu Arg Lys Phe Met
85 90 95
Trp Gly Thr Phe Pro Gly Cys Leu Ala Asp Gln Leu Val Leu Lys Arg
100 105 110
Arg Gly Asn Gln Leu Glu Ile Cys Ala Val Val Leu Arg Gln Leu Ser
115 120 125
Pro His Lys Tyr Tyr Phe Leu Val Gly Tyr Ser Glu Thr Leu Leu Ser
130 135 140
Tyr Phe Tyr Lys Cys Pro Val Arg Leu His Leu Gln Thr Val Pro Ser
145 150 155 160
Lys Val Val Tyr Lys Tyr Leu
165

<210> 2264

<211> 203

<212> PRT

<213> Homo sapiens

<400> 2264

Met Ala Arg Pro Arg Pro Arg Glu Tyr Lys Ala Gly Asp Leu Val Phe
1 5 10 15
Ala Lys Met Lys Gly Tyr Pro His Trp Pro Ala Arg Ile Asp Glu Leu
20 25 30
Pro Glu Gly Ala Val Lys Pro Pro Ala Asn Lys Tyr Pro Ile Phe Phe
35 40 45

Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe Pro
50 55 60
Tyr Lys Glu Tyr Lys Asp Lys Phe Gly Lys Ser Asn Lys Arg Lys Gly
65 70 75 80
Phe Asn Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Gly Val Lys Phe
85 90 95
Thr Gly Tyr Gln Ala Ile Gln Gln Gln Ser Ser Ser Glu Thr Glu Gly
100 105 110
Glu Gly Gly Asn Thr Ala Asp Ala Ser Ser Glu Glu Glu Gly Asp Arg
115 120 125
Val Glu Glu Asp Gly Lys Gly Lys Arg Lys Asn Glu Lys Ala Gly Ser
130 135 140
Lys Arg Lys Lys Ser Tyr Thr Ser Lys Lys Ser Ser Lys Gln Ser Arg
145 150 155 160
Lys Ser Pro Gly Asp Glu Asp Asp Lys Asp Cys Lys Glu Glu Glu Asn
165 170 175
Lys Ser Ser Ser Glu Gly Gly Asp Ala Gly Asn Asp Thr Arg Asn Thr
180 185 190
Thr Ser Asp Leu Gln Lys Thr Ser Glu Gly Thr
195 200

<210> 2265
<211> 253
<212> PRT
<213> Homo sapiens

<400> 2265
Met Arg Ser Gly Lys Met Ala Pro Lys Pro Gln Ser Arg Cys Thr Ser
1 5 10 15
Thr Arg Ser Ala Gly Glu Ala Pro Ser Glu Asn Gln Ser Pro Ser Lys
20 25 30
Gly Pro Glu Glu Ala Ser Ser Glu Val Gln Asp Thr Asn Glu Val His
35 40 45
Val Pro Gly Asp Gln Asp Glu Pro Gln Thr Leu Gly Lys Lys Gly Ser
50 55 60
Lys Asn Asn Ile Ser Val Tyr Met Thr Leu Asn Gln Lys Lys Ser Asp
65 70 75 80

Ser Ser Ser Ala Ser Val Cys Ser Ile Asp Ser Thr Asp Asp Leu Lys
 85 90 95
 Ser Ser Asn Ser Glu Cys Ser Ser Ser Glu Ser Phe Asp Phe Pro Pro
 100 105 110
 Gly Ser Met His Ala Pro Ser Thr Ser Ser Thr Ser Ser Ser Ser Lys
 115 120 125
 Glu Glu Lys Lys Leu Ser Asn Ser Leu Lys Met Lys Val Phe Ser Lys
 130 135 140
 Asn Val Ser Lys Cys Val Thr Pro Asp Gly Arg Thr Ile Cys Val Gly
 145 150 155 160
 Asp Ile Val Trp Ala Lys Ile Tyr Gly Phe Pro Trp Trp Pro Ala Arg
 165 170 175
 Ile Leu Thr Ile Thr Val Ser Arg Lys Asp Asn Gly Leu Leu Val Arg
 180 185 190
 Gln Glu Ala Arg Ile Ser Trp Phe Gly Ser Pro Thr Thr Ser Phe Leu
 195 200 205
 Ala Leu Ser Gln Leu Ser Pro Phe Leu Glu Asn Phe Gln Ser Arg Phe
 210 215 220
 Asn Lys Lys Arg Lys Gly Leu Tyr Arg Lys Ala Ile Thr Glu Ala Ala
 225 230 235 240
 Lys Ala Ala Lys Gln Leu Thr Pro Glu Val Arg Ala Cys
 245 250

<210> 2266

<211> 314

<212> PRT

<213> Homo sapiens

<400> 2266

Met Pro His Ala Phe Lys Pro Gly Asp Leu Val Phe Ala Lys Met Lys
 1 5 10 15
 Gly Tyr Pro His Trp Pro Ala Arg Ile Asp Asp Ile Ala Asp Gly Ala
 20 25 30
 Val Lys Pro Pro Pro Asn Lys Tyr Pro Ile Phe Phe Phe Gly Thr His
 35 40 45
 Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe Pro Tyr Asp Lys Cys

50						55						60				
Lys	Asp	Lys	Tyr	Gly	Lys	Pro	Asn	Lys	Arg	Lys	Gly	Phe	Asn	Glu	Gly	
65					70					75					80	
Leu	Trp	Glu	Ile	Gln	Asn	Asn	Pro	His	Ala	Ser	Tyr	Ser	Ala	Pro	Pro	
				85					90					95		
Pro	Val	Ser	Ser	Ser	Asp	Ser	Glu	Ala	Pro	Glu	Ala	Asn	Pro	Ala	Asp	
			100					105					110			
Gly	Ser	Asp	Ala	Asp	Glu	Asp	Asp	Glu	Asp	Arg	Gly	Val	Met	Ala	Val	
		115					120					125				
Thr	Ala	Val	Thr	Ala	Thr	Ala	Ala	Ser	Asp	Arg	Met	Glu	Ser	Asp	Ser	
	130					135					140					
Asp	Ser	Asp	Lys	Ser	Ser	Asp	Asn	Ser	Gly	Leu	Lys	Arg	Lys	Thr	Pro	
145					150					155					160	
Ala	Leu	Lys	Met	Ser	Val	Ser	Lys	Arg	Ala	Arg	Lys	Ala	Ser	Ser	Asp	
				165					170					175		
Leu	Asp	Gln	Ala	Ser	Val	Ser	Pro	Ser	Glu	Glu	Glu	Asn	Ser	Glu	Ser	
		180						185					190			
Ser	Ser	Glu	Ser	Glu	Lys	Thr	Ser	Asp	Gln	Asp	Phe	Thr	Pro	Glu	Lys	
		195					200					205				
Lys	Ala	Ala	Val	Arg	Ala	Pro	Arg	Arg	Gly	Pro	Leu	Gly	Gly	Arg	Lys	
	210					215					220					
Lys	Lys	Lys	Ala	Pro	Ser	Ala	Ser	Asp	Ser	Asp	Ser	Lys	Ala	Asp	Ser	
225					230					235					240	
Asp	Gly	Ala	Lys	Pro	Glu	Pro	Val	Ala	Met	Ala	Arg	Ser	Ala	Ser	Ser	
				245					250					255		
Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Asp	Ser	Asp	Val	Ser	Val	Lys	Lys	
			260					265					270			
Pro	Pro	Arg	Gly	Arg	Lys	Pro	Thr	Glu	Lys	Pro	Leu	Pro	Lys	Pro	Arg	
		275					280						285			
Gly	Arg	Lys	Pro	Lys	Pro	Glu	Arg	Pro	Pro	Ser	Ser	Ser	Ser	Ser	Asp	
	290					295					300					
Ser	Asp	Ser	Asp	Glu	Val	Asp	Arg	Ile	Thr							
305					310											

<210> 2267
 <211> 281
 <212> PRT
 <213> Homo sapiens

<400> 2267

Met	Gly	Ser	Arg	Gly	Gln	Gly	Leu	Leu	Leu	Ala	Tyr	Cys	Leu	Leu	Leu
1				5					10					15	
Ala	Phe	Ala	Ser	Gly	Leu	Val	Leu	Ser	Arg	Val	Pro	His	Val	Gln	Gly
			20					25					30		
Glu	Gln	Gln	Glu	Trp	Glu	Gly	Thr	Glu	Glu	Leu	Pro	Ser	Pro	Pro	Asp
		35					40					45			
His	Ala	Glu	Arg	Ala	Glu	Glu	Gln	His	Glu	Lys	Tyr	Arg	Pro	Ser	Gln
	50					55					60				
Asp	Gln	Gly	Leu	Pro	Ala	Ser	Arg	Cys	Leu	Arg	Cys	Cys	Asp	Pro	Gly
65					70					75					80
Thr	Ser	Met	Tyr	Pro	Ala	Thr	Ala	Val	Pro	Gln	Ile	Asn	Ile	Thr	Ile
				85					90					95	
Leu	Lys	Gly	Glu	Lys	Gly	Asp	Arg	Gly	Asp	Arg	Gly	Leu	Gln	Gly	Lys
			100					105					110		
Tyr	Gly	Lys	Thr	Gly	Ser	Ala	Gly	Ala	Arg	Gly	His	Thr	Gly	Pro	Lys
		115					120					125			
Gly	Gln	Lys	Gly	Ser	Met	Gly	Ala	Pro	Gly	Glu	Arg	Cys	Lys	Ser	His
		130				135					140				
Tyr	Ala	Ala	Phe	Ser	Val	Gly	Arg	Lys	Lys	Pro	Met	His	Ser	Asn	His
145					150					155					160
Tyr	Tyr	Gln	Thr	Val	Ile	Phe	Asp	Thr	Glu	Phe	Val	Asn	Leu	Tyr	Asp
				165					170					175	
His	Phe	Asn	Met	Phe	Thr	Gly	Lys	Phe	Tyr	Cys	Tyr	Val	Pro	Gly	Leu
			180					185						190	
Tyr	Phe	Phe	Ser	Leu	Asn	Val	His	Thr	Trp	Asn	Gln	Lys	Glu	Thr	Tyr
		195					200					205			
Leu	His	Ile	Met	Lys	Asn	Glu	Glu	Glu	Val	Ala	Ile	Leu	Phe	Ala	Gln
	210					215					220				
Val	Gly	Asp	Arg	Ser	Ile	Met	Gln	Ser	Gln	Ser	Leu	Met	Leu	Glu	Leu
225					230					235					240
Arg	Glu	Gln	Asp	Gln	Val	Trp	Val	Arg	Leu	Tyr	Lys	Gly	Glu	Arg	Glu

	245		250		255										
Asn	Ala	Ile	Phe	Ser	Glu	Glu	Leu	Asp	Thr	Tyr	Ile	Thr	Phe	Ser	Gly
	260						265					270			
Tyr	Leu	Val	Lys	His	Ala	Thr	Glu	Pro							
	275						280								

<210> 2268

<211> 733

<212> DNA

<213> Homo sapiens

<400> 2268

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tctcccgga tcttgaggtc acatgcgtgg tgggtggacgt aagccacgaa gaccctgagg    180
tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg    240
aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact    300
ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg    360
agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc    420
catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctgggc aaaggcttct    480
atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagAAC aactacaaga    540
ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg    600
acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc    660
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<210> 2269

<211> 5

<212> PRT

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<220>

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<223> membrane proximal motif of class 1 cytokine receptors

<220>

<221> misc_feature
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<400> 2269
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<210> 2270
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 <223> forward primer useful for generation of a synthetic gamma
 activation site (GAS) containing promoter element

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 cccgaaatat ctgccatctc aattag 86

<210> 2271
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 activation site (GAS) containing promoter element

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<210> 2272
 <211> 271
 <212> DNA
 <213> Artificial Sequence

<220>
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 gccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180

ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240

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<211> 32

<212> DNA

<213> Artificial Sequence

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<210> 2274

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

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<223> primer useful for generation of a EGR/SEAP reporter construct

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<211> 12

<212> DNA

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<220>

<221> misc_binding

<223> NF-KB binding site

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<210> 2276

<211> 73

<212> DNA

<213> Artificial Sequence

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<223> forward primer useful for generation of a vector containing the NF-KB promoter element

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ccatctcaat tag 73

<210> 2277
<211> 256
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<223> Synthetic NF-KB/SV40 promoter

<400> 2277
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caattagtca gcaaccatag tcccgccct aactccgcc atcccgcccc taactccgcc 120
cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
cttttgcaaa aagctt 256